

SECTION 00 91 13 - ADDENDUM No. 2
LANKFORD EVENT CENTER
May 17, 2016

Applying to all bidders according to classification headings listed below.

This addendum is issued for the purpose of clarifying the intent of the contract documents for making necessary corrections, deletions, and/or additions to the documents on all items of discrepancy raised up to the issuance of this addendum.

Each bidder is hereby instructed and authorized to incorporate in to his proposal the instructions contained in this addendum.

TO ALL BIDDERS

GENERAL NOTES PER RECEIVED QUESTIONS:

1. The finish of the Armstrong WoodWorks Linear system will be chosen after samples are received. It will be a standard finish.
2. In lieu of the 12" CompAsso trim specified in the "Specialty Suspension Trim" section of specification 09510 – Acoustical Ceilings, Armstrong 4" WoodWorks Trim (with aluminum substrate) (5659W1) is to be specified. Cut-sheet is attached. Finish will match Linear system once chosen. Disregard specification for CompAsso product.
3. No asbestos or lead testing has been performed on the existing structure. The Owner will provide a Phase I Environmental Study. This does not need to be included in the bid.
4. Location of expansion and control joints will be coordinated with the General Contractor after the bid is awarded.
5. Assume that all trees existing on the property are to be demolished.
6. 10-millimeter vapor barrier is to be installed at the event center structure.
7. The columns at the pavilion are to be designed per the structural engineer's sizing of HSS 8x8x1/4 and clad in cement board.
8. The decorative elements associated with the "Lankford" signage and the parapets are all to be pre-cast, not framed wall with cast stone cap.
9. The size of the utility pipes can be found on the plumbing drawings. Water = 2", Fire = 4", and Sanitary Sewer = 4".
10. Preliminary landscape drawings are included in this addendum. These drawings indicate the location of the site walls referenced on sheet A4.3, drawing B.
11. Cut-sheets for exterior restroom mirrors, soap dispensers, and hand dryers are attached to this addendum. Include one for each exterior restroom in bid.
12. A cut-sheet for a recessed paper towel dispenser and waste receptacle is attached to this addendum. Include one for each interior restroom in bid.
13. A cut-sheet for a recessed paper towel dispenser at the drink area is attached to this addendum. Include one in the bid.
14. A cut sheet for the soap dispenser to be included in the interior restrooms and at the drink area is included in the bid. A soap dispenser is to be provided at each sink. Include in bid.

ARCHITECTURAL DRAWINGS

Sheet A1.1 1/A1.1

- 15. Section sheet numbers have been updated to accurately reflect locations of section details within drawing set.
- 16. A floor plan legend has been added to further describe symbols and indicate interior wall partition construction.

Sheet A1.2 1/A1.2

- 17. Paint specifications and bathroom tile selection.

Sheet A5.1 1, 2, 3, 4/A1.2

- 18. Paint specifications and bathroom tile selection. Mirrors and pendant light fixture specifications.

Sheet A5.2 General Restroom Elevation Notes

- 19. Paint and pendant light fixture specifications.

LANDSCAPE DRAWINGS

Sheet “1 of 2” and “2 of 2”

- 20. The attached landscape drawings are preliminary and for reference only, however these drawings do indicate the location of the site walls referenced on sheet A4.3, drawing B (along Ware and Main streets). The site walls are labeled as “Brick Seat,” and please disregard the note to “see Civil drawings.” The originally requested allowance for landscape is still to be carried.

This addendum is issued VIA email to each known Bidder on May 17, 2016.

END OF DOCUMENT



CITY OF CEDARTOWN, GEORGIA
**LANKFORD
EVENT CENTER**
610 SOUTH MAIN STREET
CEDARTOWN, GEORGIA 30125

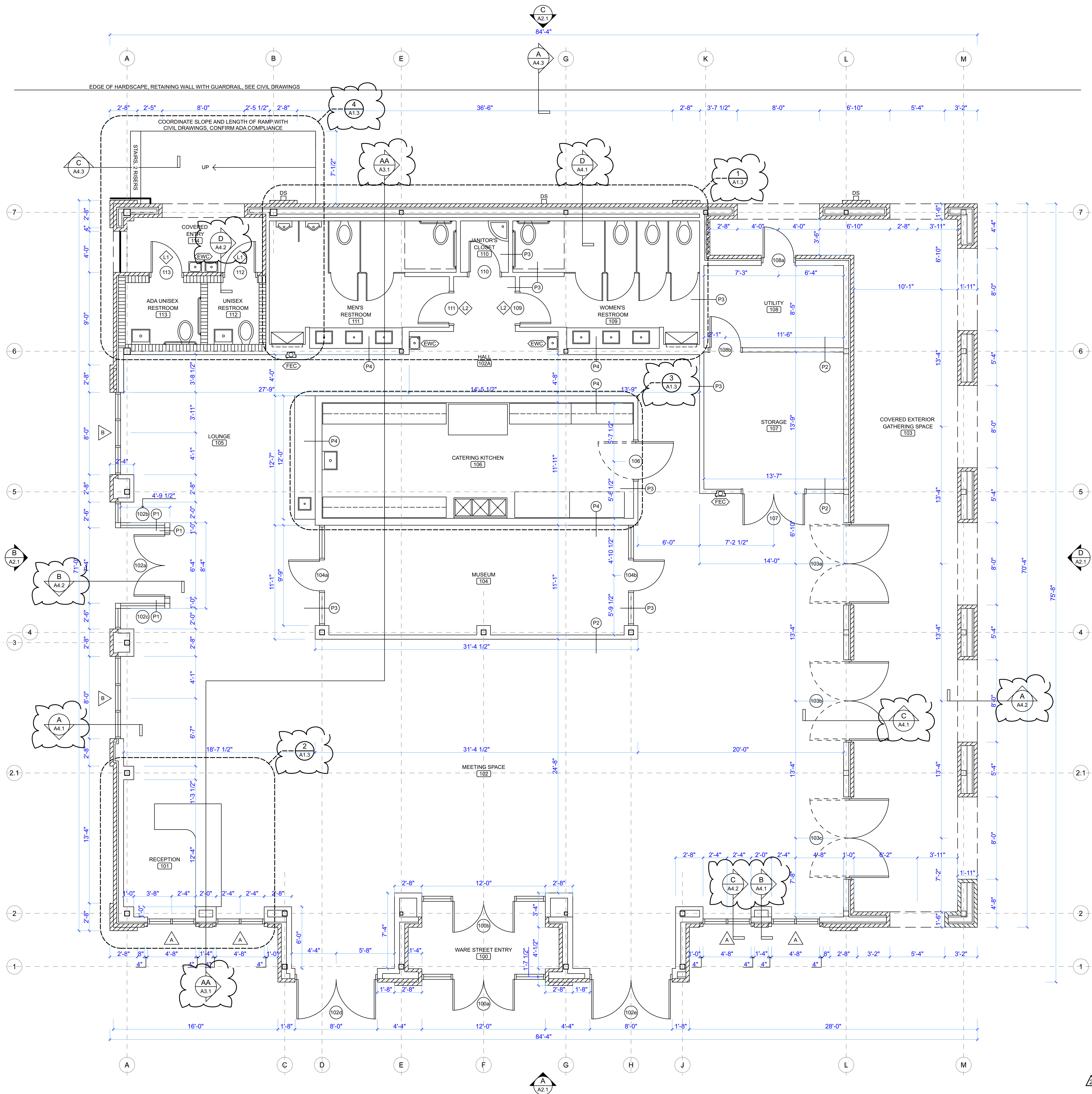
REVISION #	DATE / COMMENTS
1	05/02/2016 FOR ADDENDUM 01
2	05/17/2016 FOR ADDENDUM 02

CONSTRUCTION DOCUMENTS

CEVIAN DESIGN LAB JOB #
15045
ISSUED BY
CEVIAN® Design Lab, LLC
ISSUED DATE
5/17/16

SHEET TITLE
FLOOR PLAN

SHEET TITLE
A1.1



FLOOR PLAN LEGEND	
SYMBOL	DESCRIPTION
(101)	SCHEDULED DOOR AND FRAME
(A)	SCHEDULED WINDOW UNIT
ROOM NAME (101)	SCHEDULED ROOM NAME AND NUMBER
(X) AX-X	DETAIL SYMBOL
(X) AX-X	SECTION SYMBOL
(L1)	LOUVER SEE DOOR SCHEDULE
(X) AX-X	INTERIOR ELEVATION SYMBOL
(X) AX-X	EXTERIOR ELEVATION SYMBOL
(P1)	6" STEEL STUDS @ 16" O.C. W/ 1/2" GYPSUM BOARD ABOVE STOREFRONT. EXTEND TO BOTTOM OF STEEL DECK. PROVIDE BATT INSULATION
(P2)	4" STEEL STUDS @ 16" O.C. W/ 1/2" GYPSUM BOARD EXTEND TO BOTTOM CORD OF STEEL JOIST OR BOTTOM FLANGE OF STEEL BEAM. INSTALL SOUND BATTS.
(P3)	4" STEEL STUDS @ 16" O.C. W/ 1/2" GYPSUM BOARD MAINTAIN LEVEL. BRACE AS REQUIRED. INSTALL SOUND BATTS.
(P4)	8" STEEL STUDS @ 16" O.C. W/ 1/2" GYPSUM BOARD EXTEND TO BOTTOM CORD OF STEEL JOIST OR BOTTOM FLANGE OF STEEL BEAM. INSTALL SOUND BATTS.
(EWC)	ELECTRIC WATER COOLER
(FEC)	FIRE EXTINGUISHER CABINET



CIVIL ENGINEER
201 BROAD STREET, SUITE 300
ROME, GEORGIA 30161
706 235 4143

WILLETT ENGINEERING
STRUCTURAL ENGINEER
3528 HABERSHAM AT NORTHLAKE
TUCKER, GEORGIA 30084
770 270 9484

**BOLDEN-WILLIAMS &
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ELECTRICAL ENGINEER
3066 HIGHWAY 29 SOUTH
LAWRENCEVILLE, GEORGIA 30044
706 279 4113



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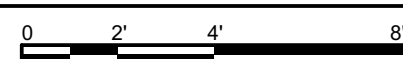
CONSTRUCTION DOCUMENTS

SHEET TITLE
FINISH PLAN

SHEET TITLE

A1.2

PAINT	COLOR	GENERAL NOTES
PPG 1006-1	GYPSUM	ALL WALLS UNO
PPG 1001-6	KNIGHT'S ARMOR	NOTED ON FINISH PLAN



1 FINISH PLAN

GENERAL RESTROOM ELEVATION NOTES

RESTROOMS ARE TO BE ADA COMPLIANT, REFER TO ADA DETAILS (SHEET LS1.01) FOR SPECIFIC DIMENSIONS AND REQUIREMENTS

COORDINATE ALL PLUMBING AND ELECTRICAL FIXTURES WITH APPLICABLE SCHEDULES

COORDINATE LOCATIONS OF ALL PLUMBING AND ELECTRICAL WITH APPLICABLE DRAWINGS

PROVIDE SUBMITTALS FOR ALL PLUMBING AND ELECTRICAL FIXTURES, TOILET ACCESSORIES, GRAB BARS, TOILET PARTITIONS, AND OTHER RELATED ACCESSORIES

PRODUCTS SPECIFIED ARE FOR BASIS OF DESIGN, PROPOSED PRODUCTS OF EQUAL QUALITY ARE TO BE APPROVED BY ARCHITECT

GYPSUM BOARD

PAPERLESS GYPSUM BOARD TO BE INSTALLED IN ALL RESTROOMS
WALLS: 5/8" LEVEL 5 FINISH
CEILINGS: 1/2" LEVEL 4 FINISH
MANUFACTURER: DENSARMOR PLUS
INSTALLATION: GLUE AND SCREW

INSULATION

R-13 UNFACED INSULATION TO BE INSTALLED IN ALL RESTROOMS

TOILET PARTITIONS

ALL PARTITIONS AND URINAL SCREENS TO BE SOLID PHENOLIC CORE

MANUFACTURER: BOBRICK
MOUNTING CONFIGURATION: FLOOR TO CEILING ANCHORED (PARTITIONS),
WALL-HUNG (SCREEN)
HARDWARE: FULL-HEIGHT
PRIVACY OPTIONS: GAP-FREE
FINISH: TBD

FINISHES

PORCELAIN TILE, TO 5'0" AFF WITH 6" INTEGRAL BASE (INTERIOR RESTROOMS, WATER CLOSET WALL), INTEGRAL BASE TO BE INCLUDED ALONG ALL WALLS

MANUFACTURER: DALTILE
PRODUCT NAME: COLORBODY PORCELAIN: PLAZA NOVA
FINISH / COLOR: GRAY FOG, PN98
SIZE: 12" x 24"
GROUT: WHITE
NOTES: RUNNING BOND PATTERN, USE COORDINATING COVE BASE AND BULLNOSE TRIM PIECES

PAINT, FROM 5'0" ABOVE FINISH FLOOR TO CEILING (INTERIOR RESTROOMS, WATER CLOSET WALL), PAINT ENTIRETY OF OTHER WALLS

MANUFACTURER: PPG
PRODUCT NAME: GYPSUM
FINISH / COLOR: EGGSHELL, 1006-1

SOLID SURFACE VANITY COUNTERTOP

MANUFACTURER: CAMBRIA
THICKNESS: 3CM
EDGE PROFILE: RIMROCK
FINISH / COLOR: HOLLINSBROOK

INTERIOR ELEVATION RESTROOM TAGS

TAG FIXTURE

WATER CLOSETS / URINALS

- WC - 1 HANDICAP ACCESSIBLE WATER CLOSET
WC - 2 WATER CLOSET
UR - 1 URINAL

LAVATORIES

- LAV - 1 HANDICAP ACCESSIBLE, HAND WASH LAVATORY
LAV - 3 HANDICAP ACCESSIBLE, HAND WASH LAVATORY

TOILET ACCESSORIES

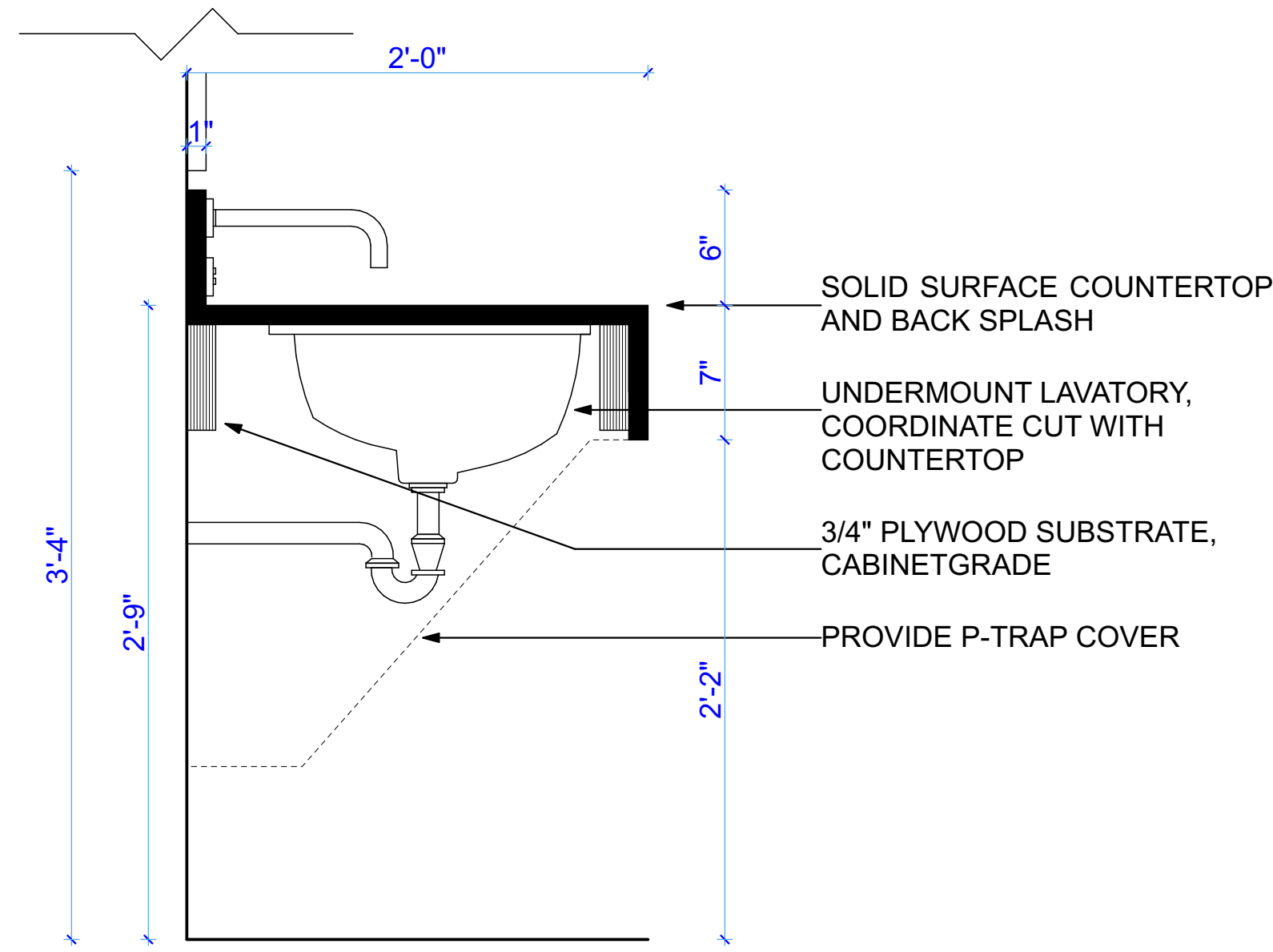
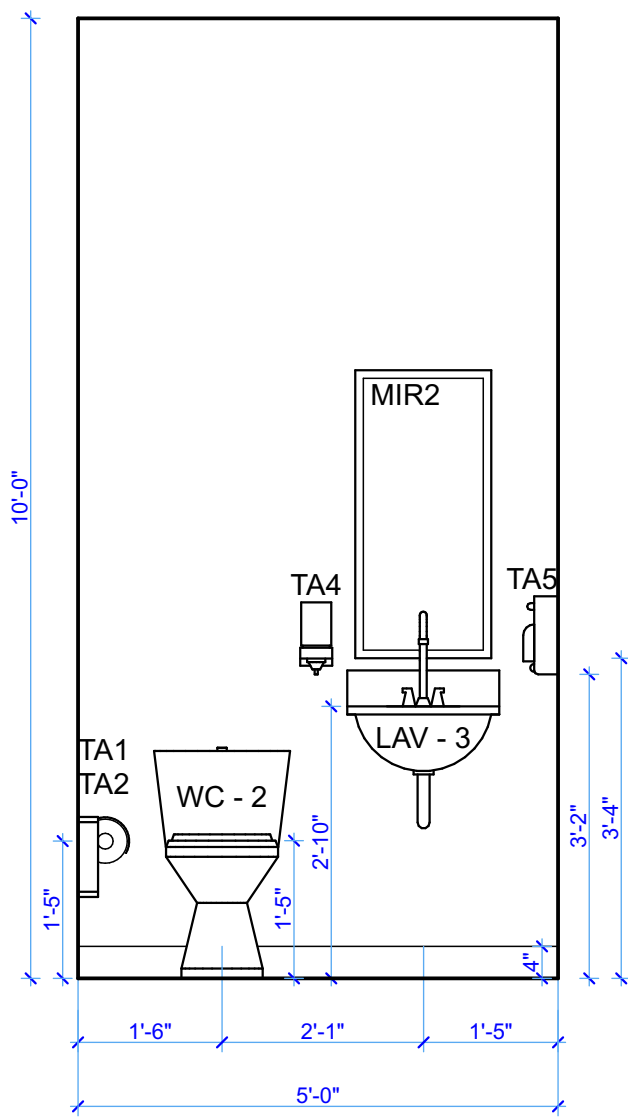
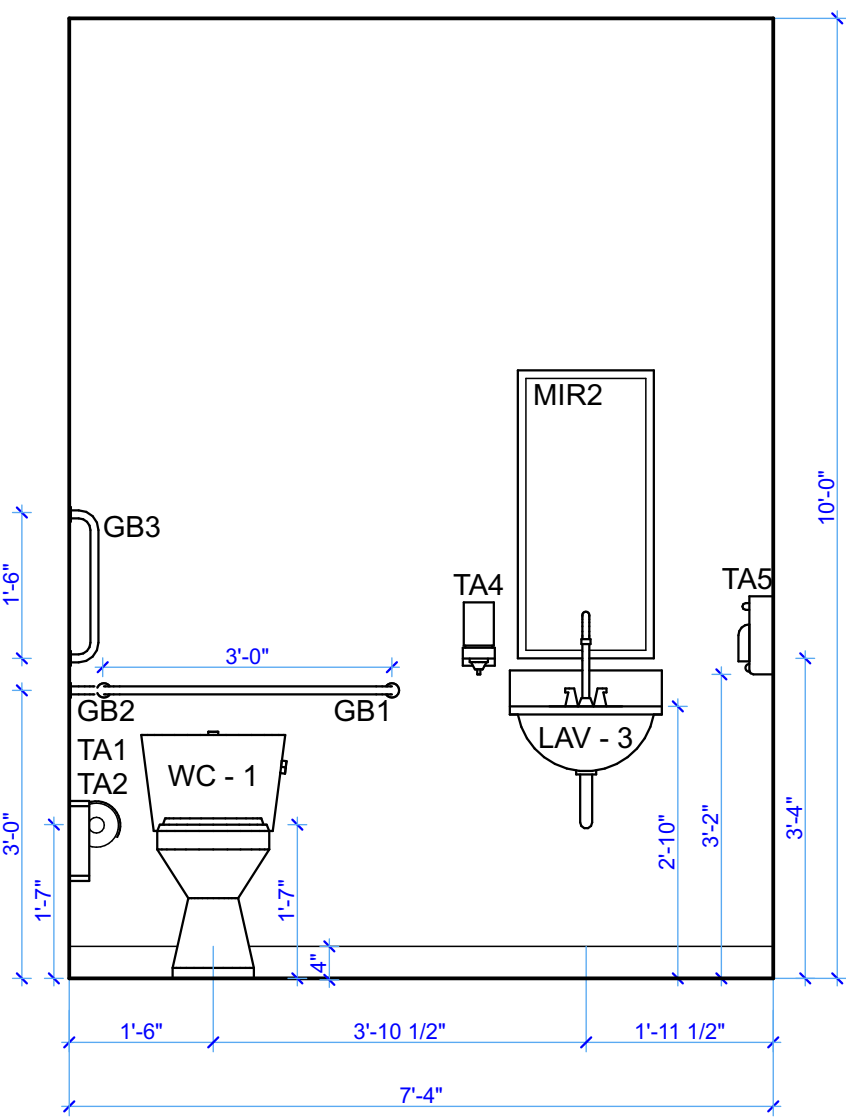
- TA1 TOILET TISSUE DISPENSER
TA2 SANITARY NAPKIN DISPOSAL (WOMEN'S RESTROOM ONLY)
TA3 HORIZONTAL, RECESSED BABY CHANGING STATION
TA4 SOAP DISPENSER
TA5 HIGH SPEED HAND DRYER

GRAB BARS

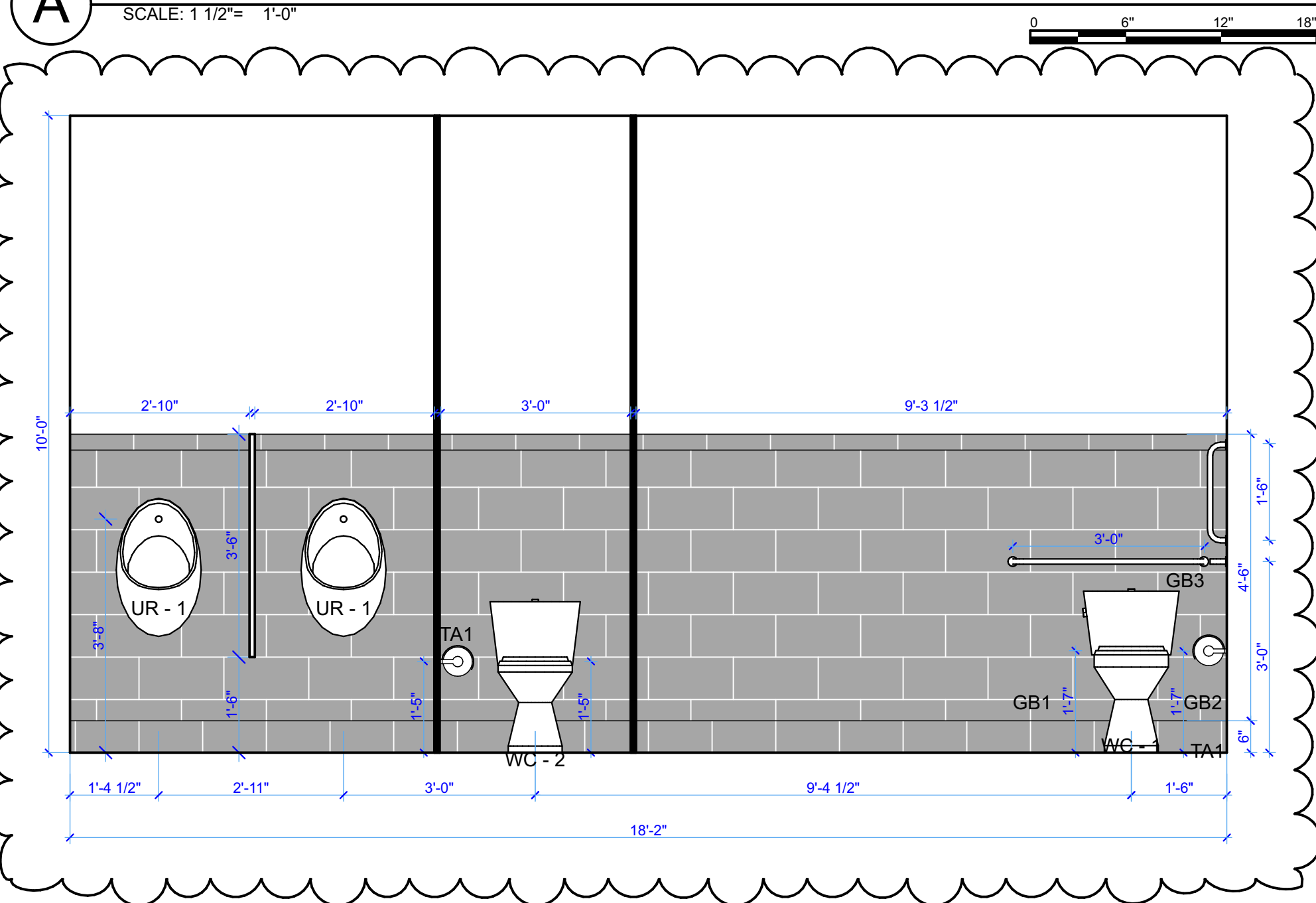
- GB1 36" HORIZONTAL, STAINLESS STEEL GRAB BAR (REAR)
GB2 36" HORIZONTAL, STAINLESS STEEL GRAB BAR (SIDE)
GB3 18" VERTICAL, STAINLESS STEEL GRAB BAR (SIDE)

OTHER ACCESSORIES

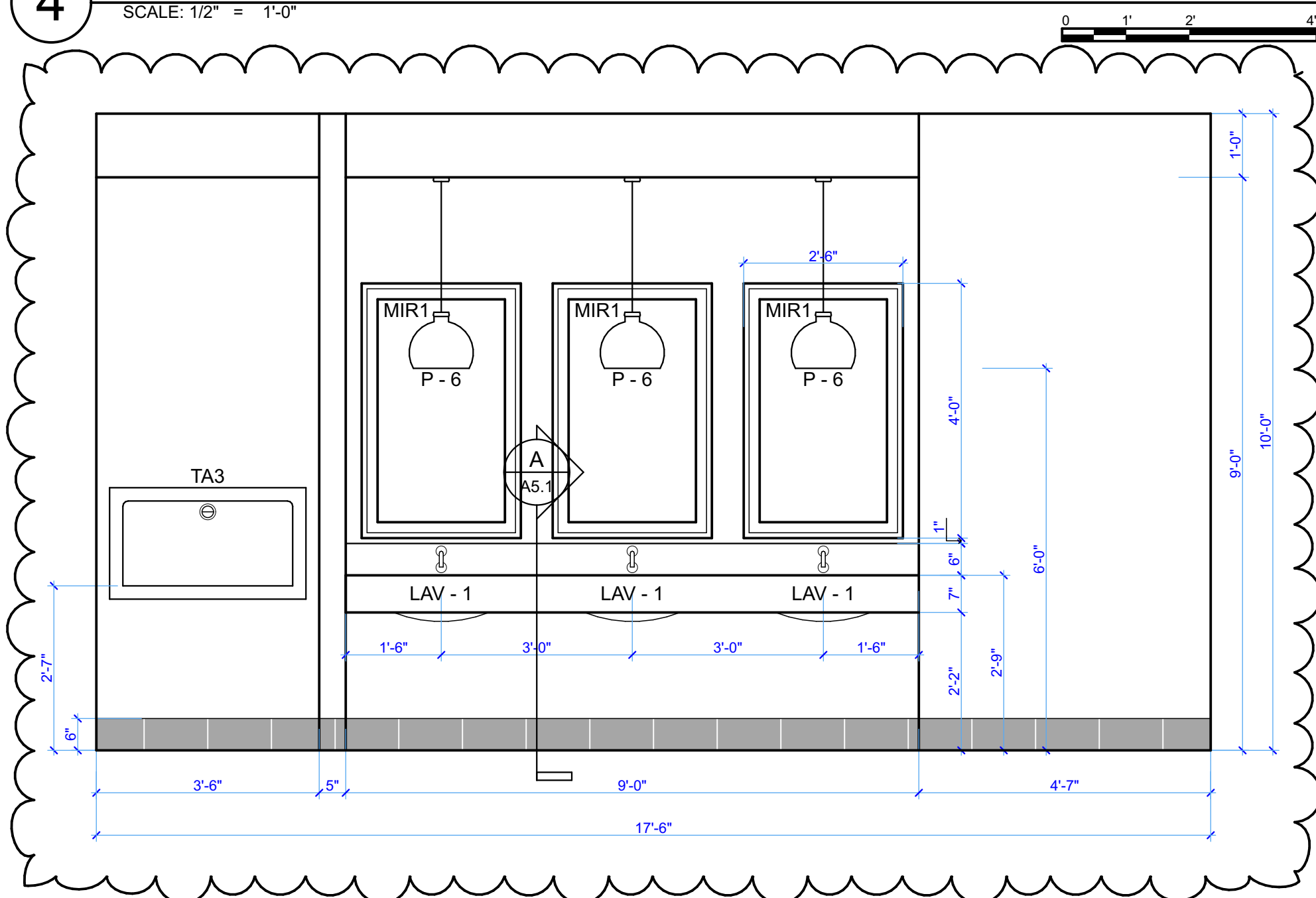
- MIR1 RESTORATION HARDWARE: MARSEILLES MIRROR, 35 3/4" W x 3" D x 48" H, BLACK FINISH
MIR2 BORIC: MIRROR WITH STAINLESS STEEL CHANNEL FRAME, 18" W x 36" H, B-165 1836
W - 1 10" DECORATIVE PENDANT, BESA LIGHTING, 1KX-464488-SN



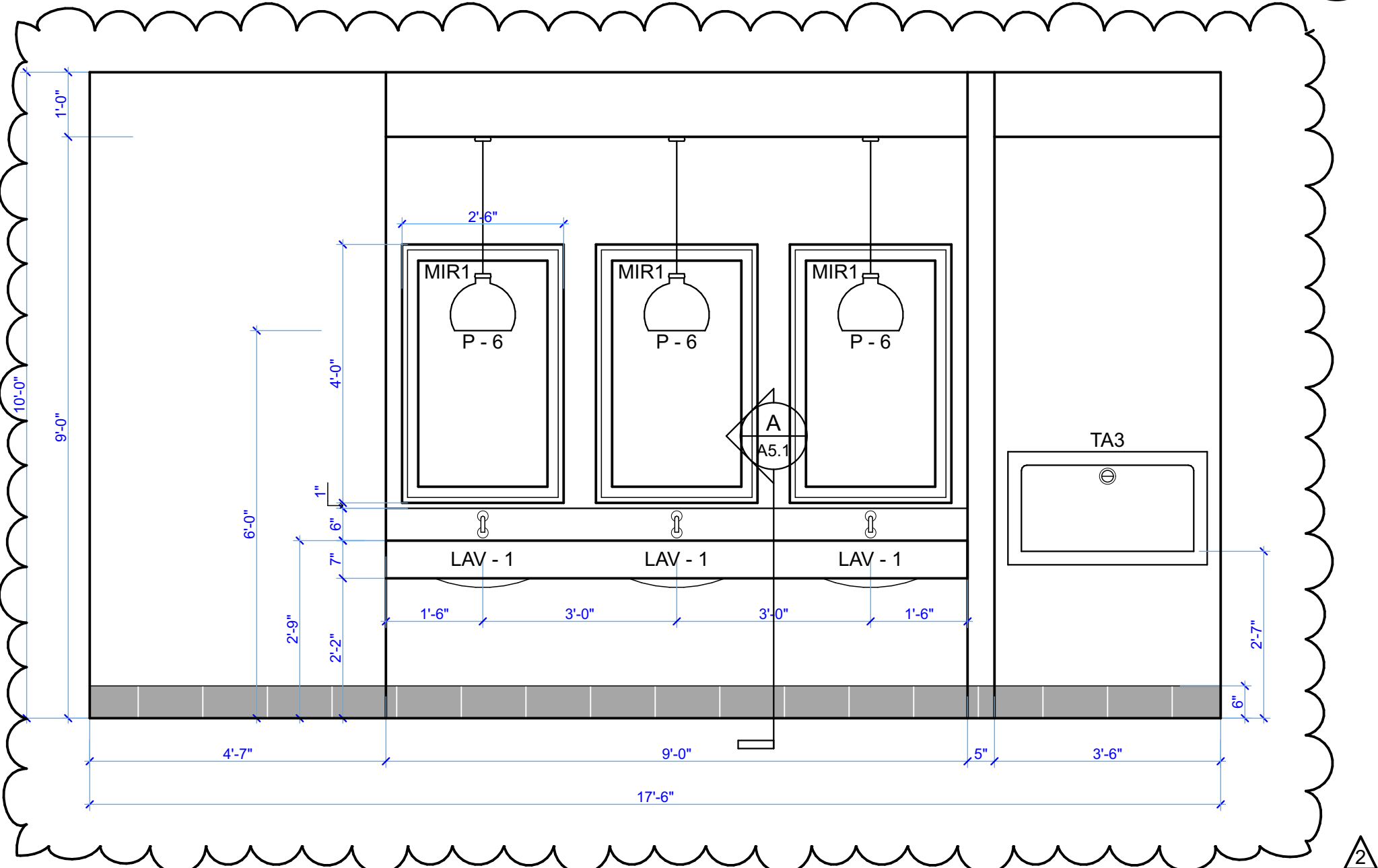
A RESTROOM VANITY SECTION



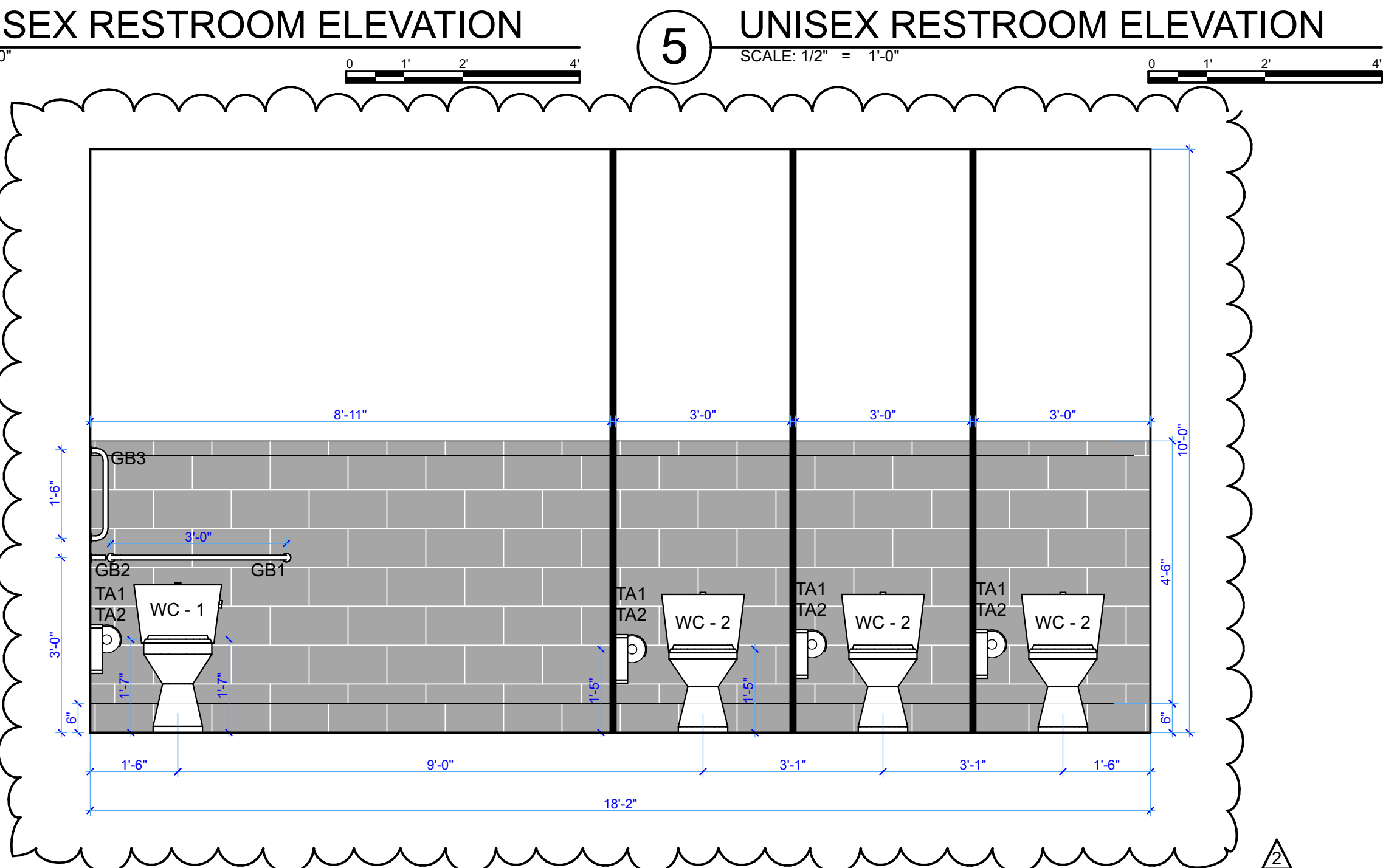
4 MEN'S RESTROOM WATER CLOSET ELEVATION



1 WOMEN'S RESTROOM VANITY ELEVATION



3 MEN'S RESTROOM VANITY ELEVATION



2 WOMEN'S RESTROOM WATER CLOSET ELEVATION

5 UNISEX RESTROOM ELEVATION

6 ADA UNISEX RESTROOM ELEVATION



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15045
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ISSUED DATE
5/17/16

SHEET TITLE
RESTROOM ELEVATIONS AND SECTIONS

SHEET TITLE
A5.1

GENERAL RESTROOM ELEVATION NOTES

DRINK AREA AND RECEPTION DESK TO BE ADA COMPLIANT, REFER TO ADA DETAILS (SHEET LS1.01) FOR SPECIFIC DIMENSIONS AND REQUIREMENTS

COORDINATE ALL PLUMBING AND ELECTRICAL FIXTURES WITH APPLICABLE SCHEDULES

COORDINATE LOCATIONS OF ALL PLUMBING AND ELECTRICAL WITH APPLICABLE DRAWINGS

PROVIDE SUBMITTALS FOR ALL PLUMBING AND ELECTRICAL FIXTURES, PAINTS AND STAINS, AND OTHER RELATED FINISHES

PRODUCTS SPECIFIED ARE FOR BASIS OF DESIGN, PROPOSED PRODUCTS OF EQUAL QUALITY ARE TO BE APPROVED BY ARCHITECT

FINISHES

PAINT, ABOVE BACKSPLASH IN DRINK AREA

MANUFACTURER: PPG
PRODUCT NAME: KNIGHT'S ARMOR
FINISH / COLOR: EGGSHELL, 1001-6

SOLID SURFACE COUNTERTOP, DRINK AREA AND RECEPTION DESK

MANUFACTURER: CAMBRIA
THICKNESS: 3CM
EDGE PROFILE: RIMROCK
FINISH / COLOR: HOLLINSBROOK

STAIN, DRINK AREA AND RECEPTION DESK

MANUFACTURER: SHERWIN WILLIAMS
PRODUCT NAME: INTERIOR OIL STAIN
FINISH / COLOR: WARM CHESTNUT
MODEL NUMBER: SW - 3114 - P

HARDWARE

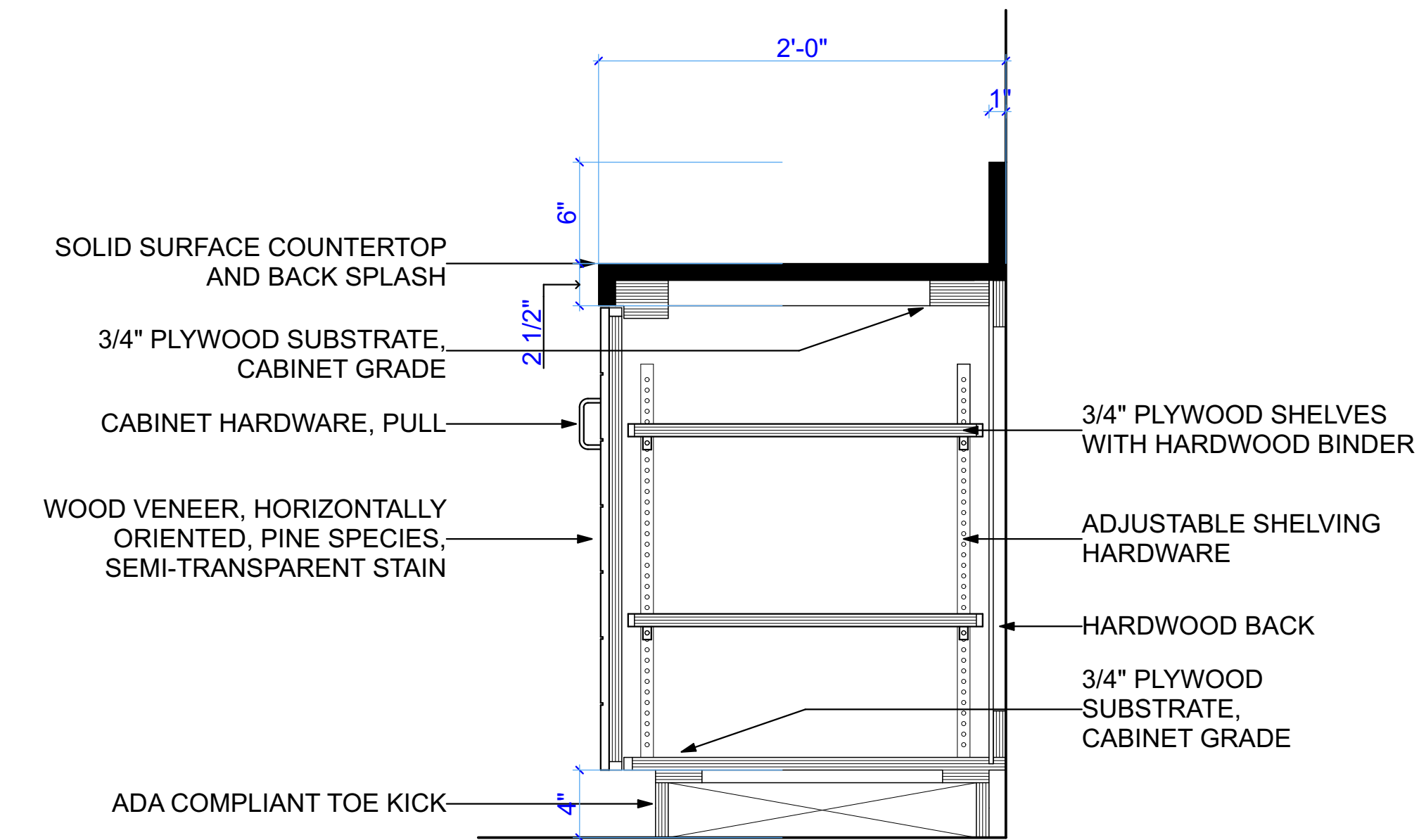
ALL CABINET AND DRAWER HARDWARE

MANUFACTURER: AMEROCK
PRODUCT NAME: BLACKROCK HARDWARE, 96MM
FINISH / COLOR: BLACK BRONZE

INTERIOR ELEVATION TAGS

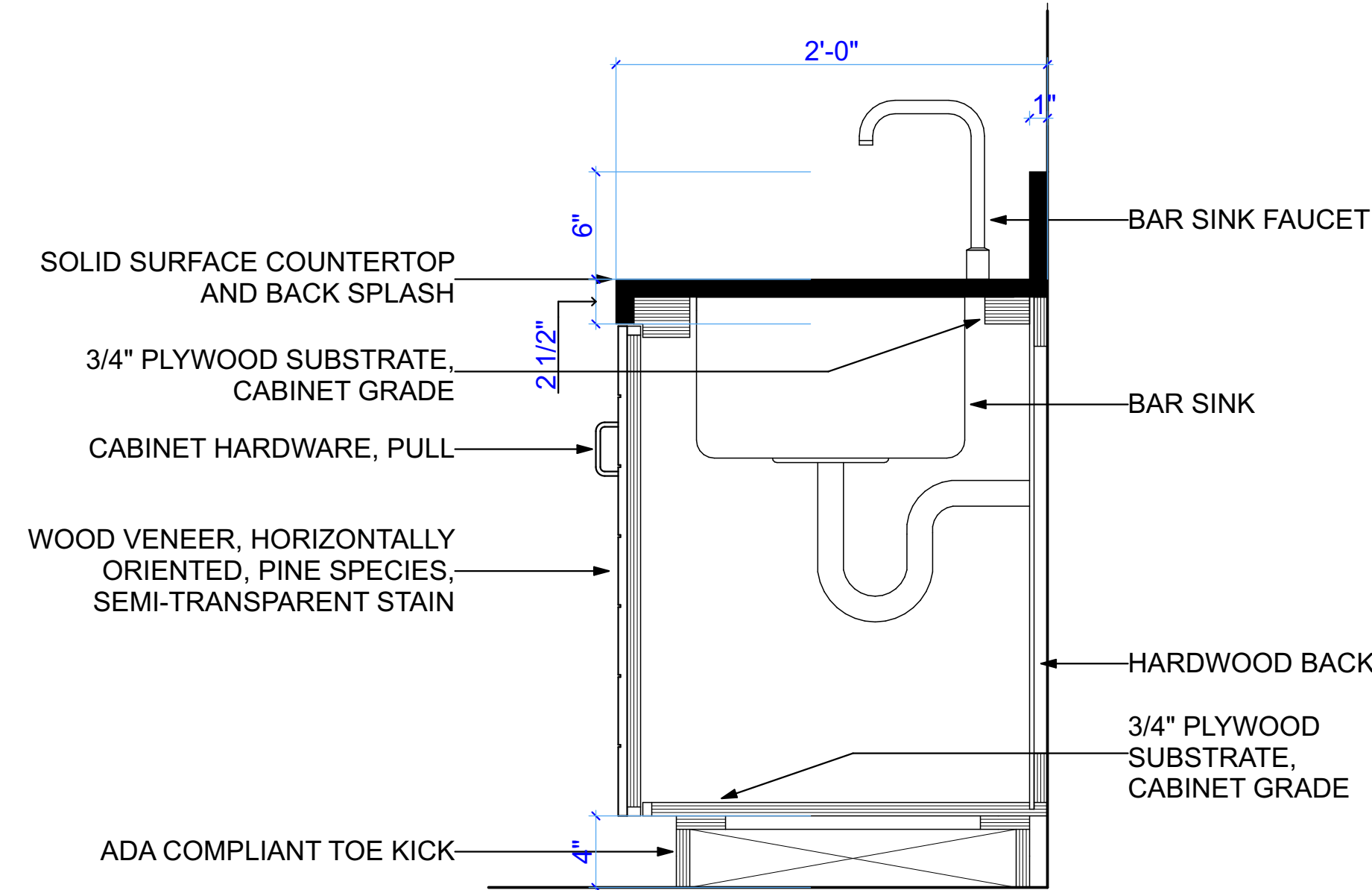
TAG FIXTURE

S - 2 BAR SINK
P - 2 10" DECORATIVE PENDANT, BESA LIGHTING, 1KX-4644GD-EDI-BR



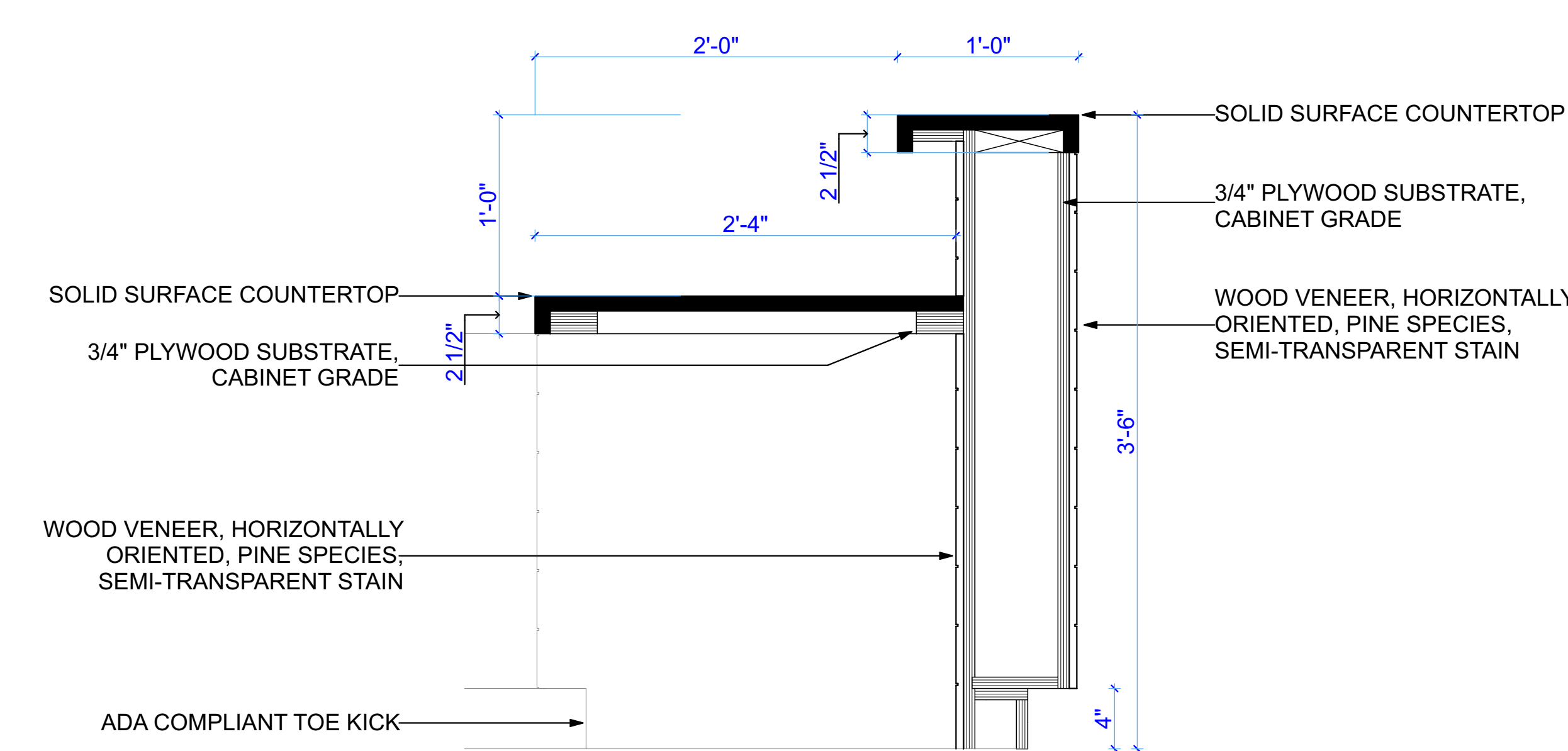
E DRINK AREA SECTION

SCALE: 1 1/2" = 1'-0"



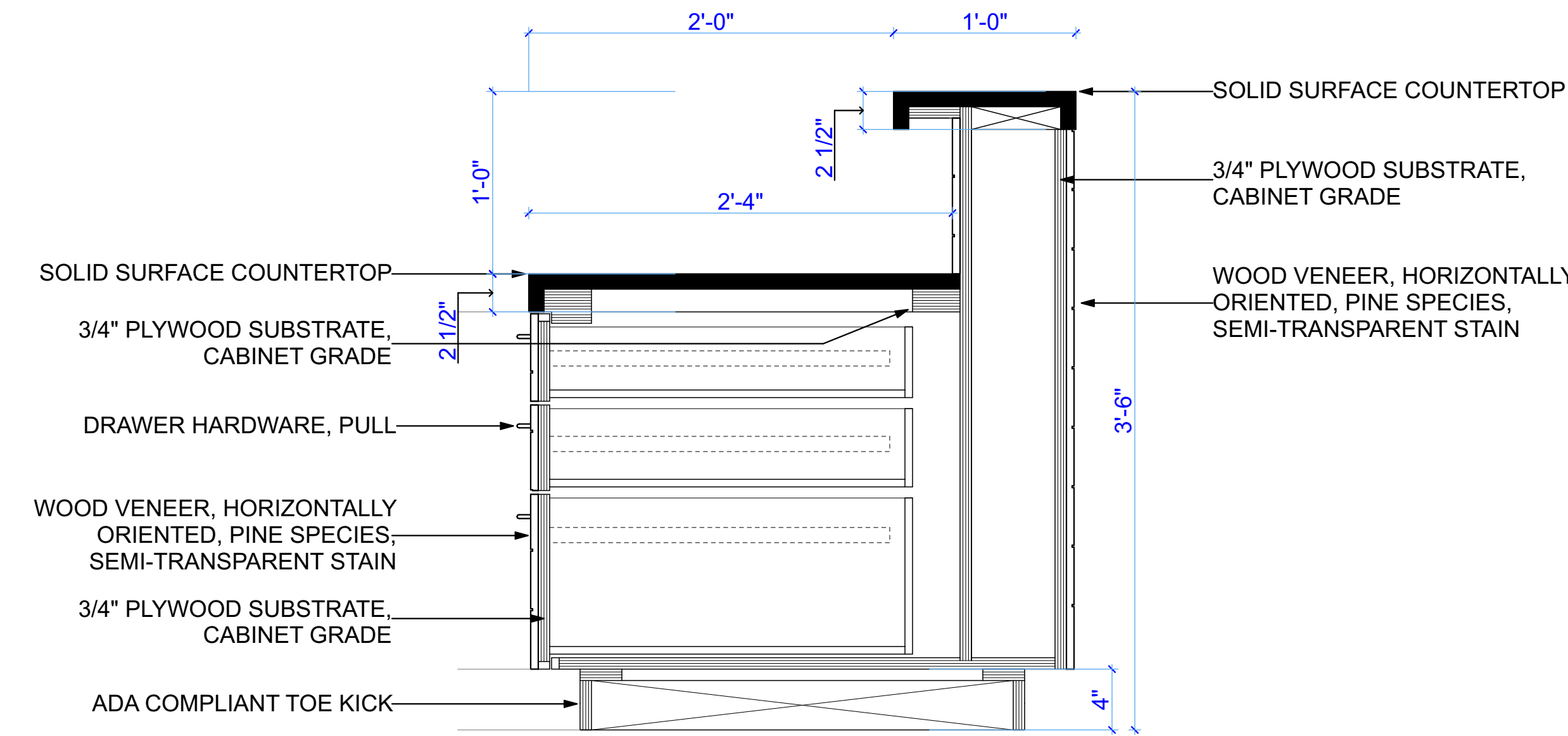
D DRINK AREA SECTION

SCALE: 1 1/2" = 1'-0"



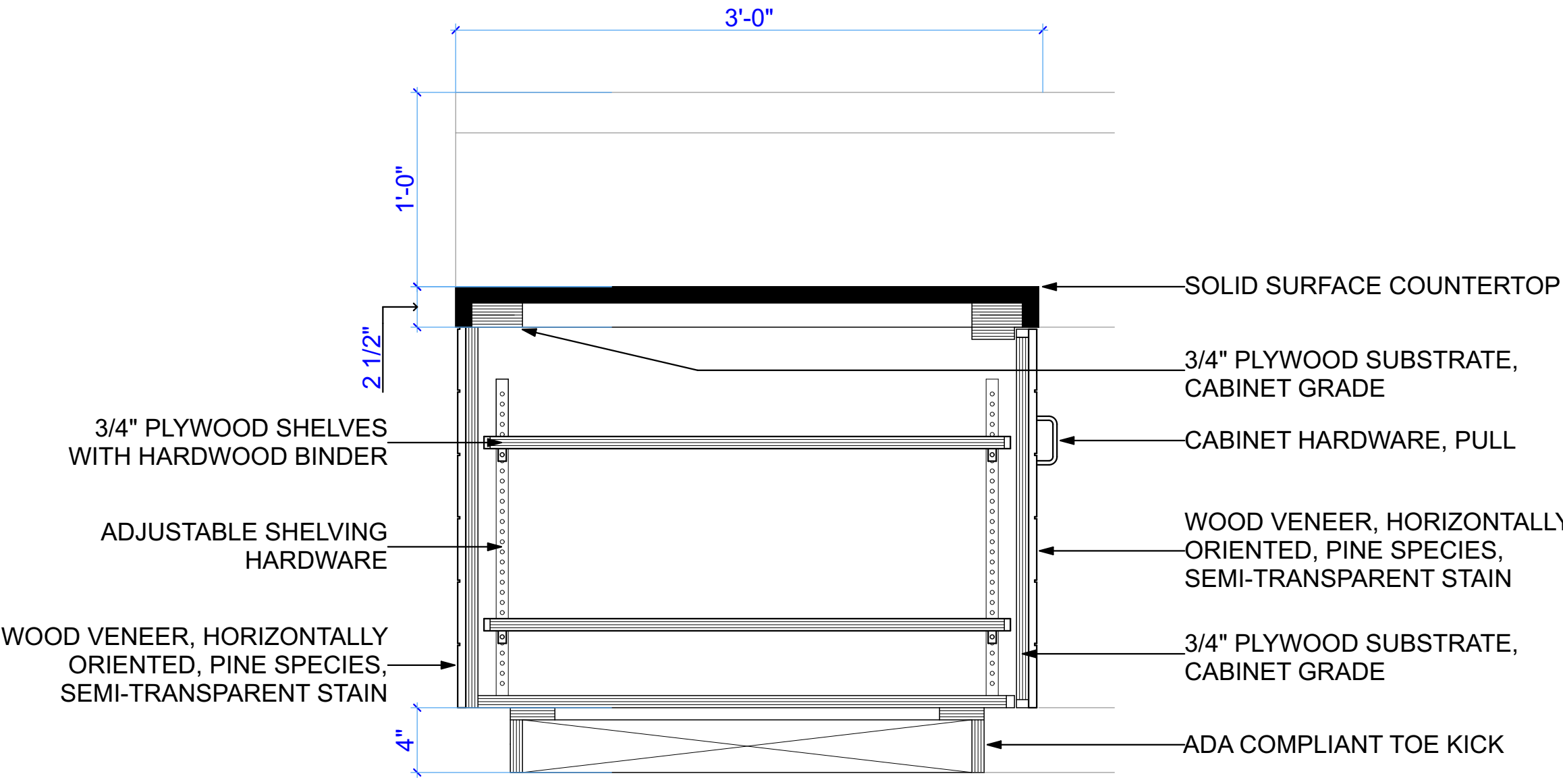
C RECEPTION DESK SECTION

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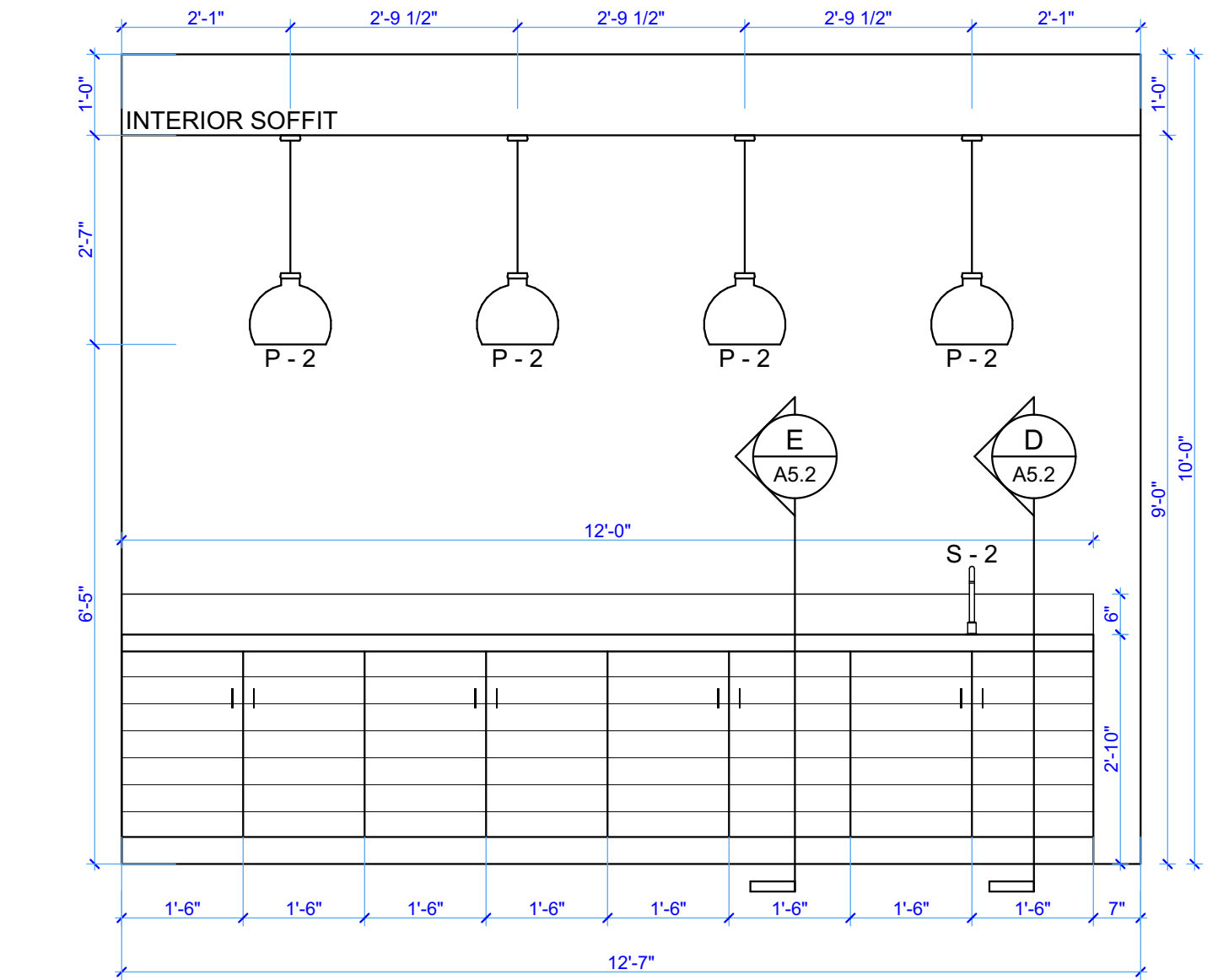
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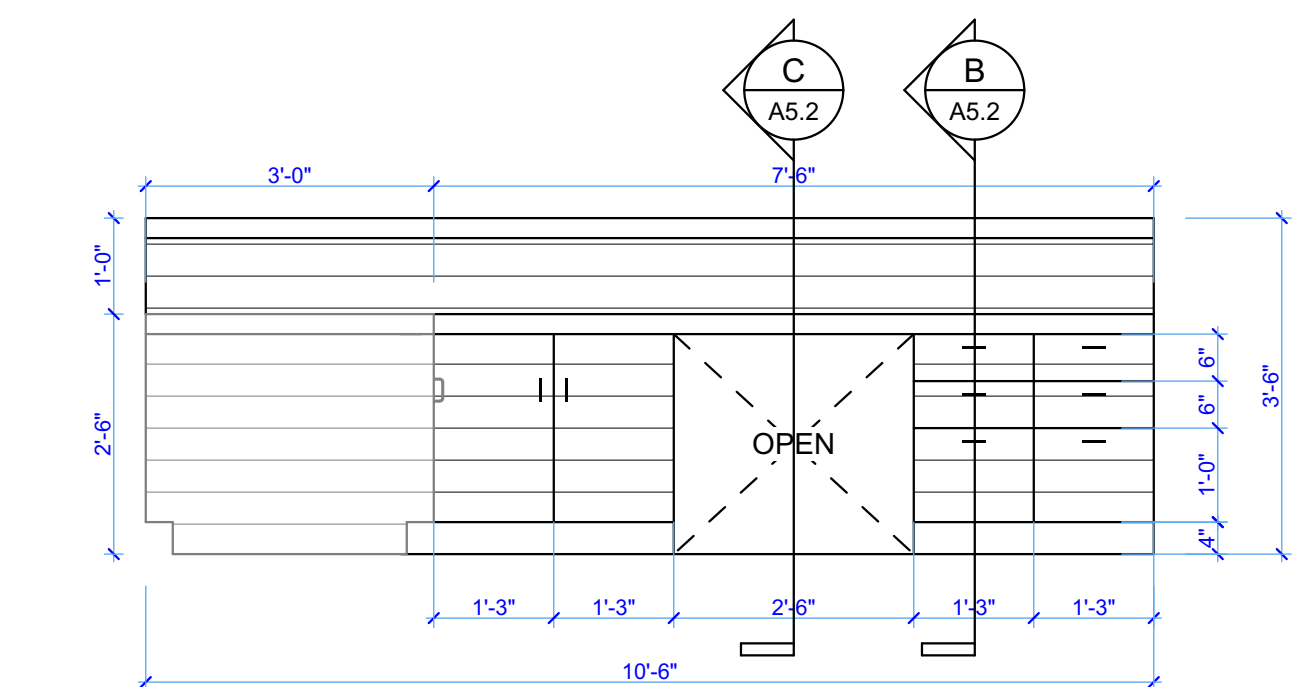
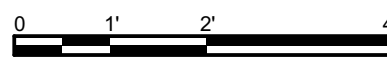
A RECEPTION DESK SECTION

SCALE: 1 1/2" = 1'-0"



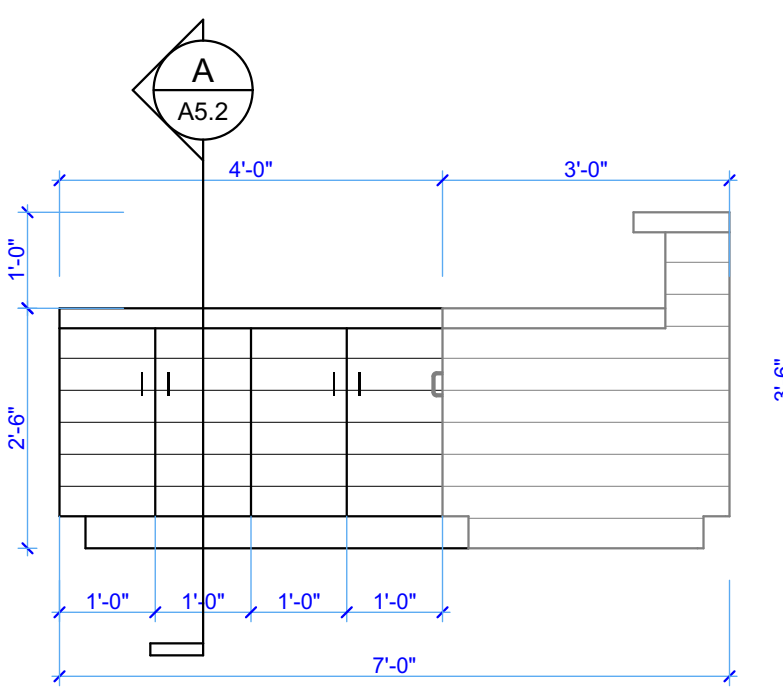
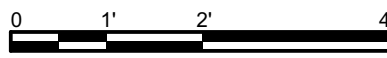
5 DRINK AREA ELEVATION

SCALE: 1/2" = 1'-0"



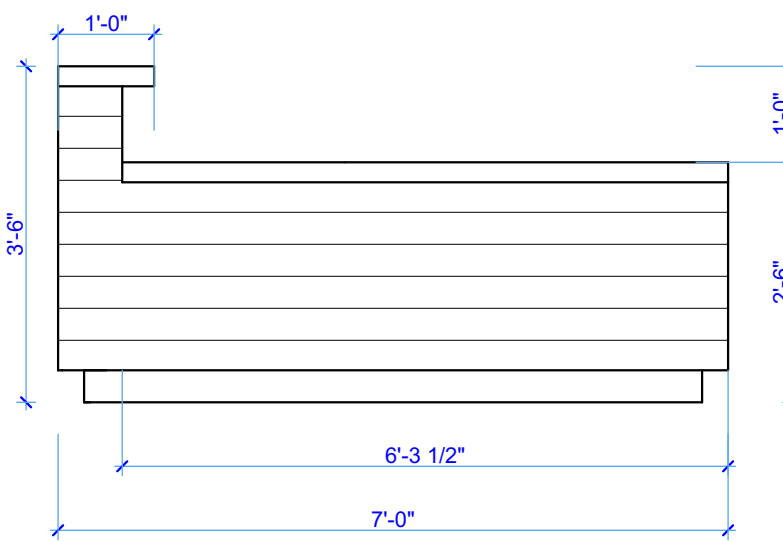
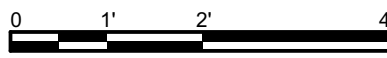
4 RECEPTION DESK INSIDE ELEVATION

SCALE: 1/2" = 1'-0"



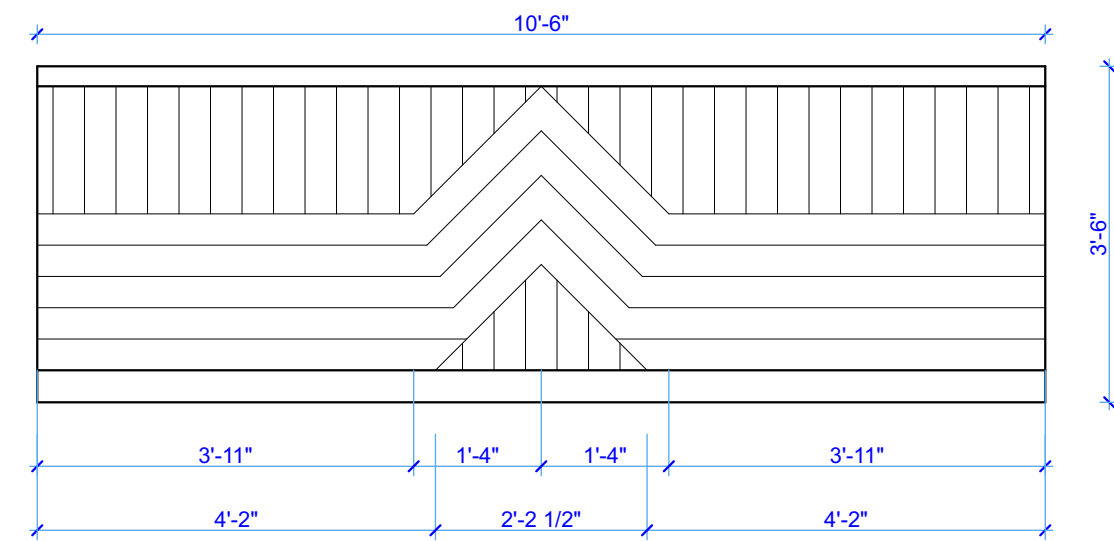
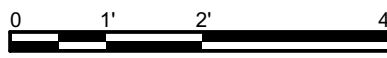
3 RECEPTION DESK INSIDE ELEVATION

SCALE: 1/2" = 1'-0"



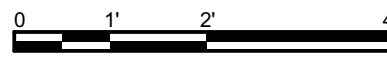
2 RECEPTION DESK SIDE ELEVATION

SCALE: 1/2" = 1'-0"



1 RECEPTION DESK FRONT ELEVATION

SCALE: 1/2" = 1'-0"



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SHEET TITLE
INTERIOR ELEVATIONS AND
SECTION

SHEET TITLE

A5.2

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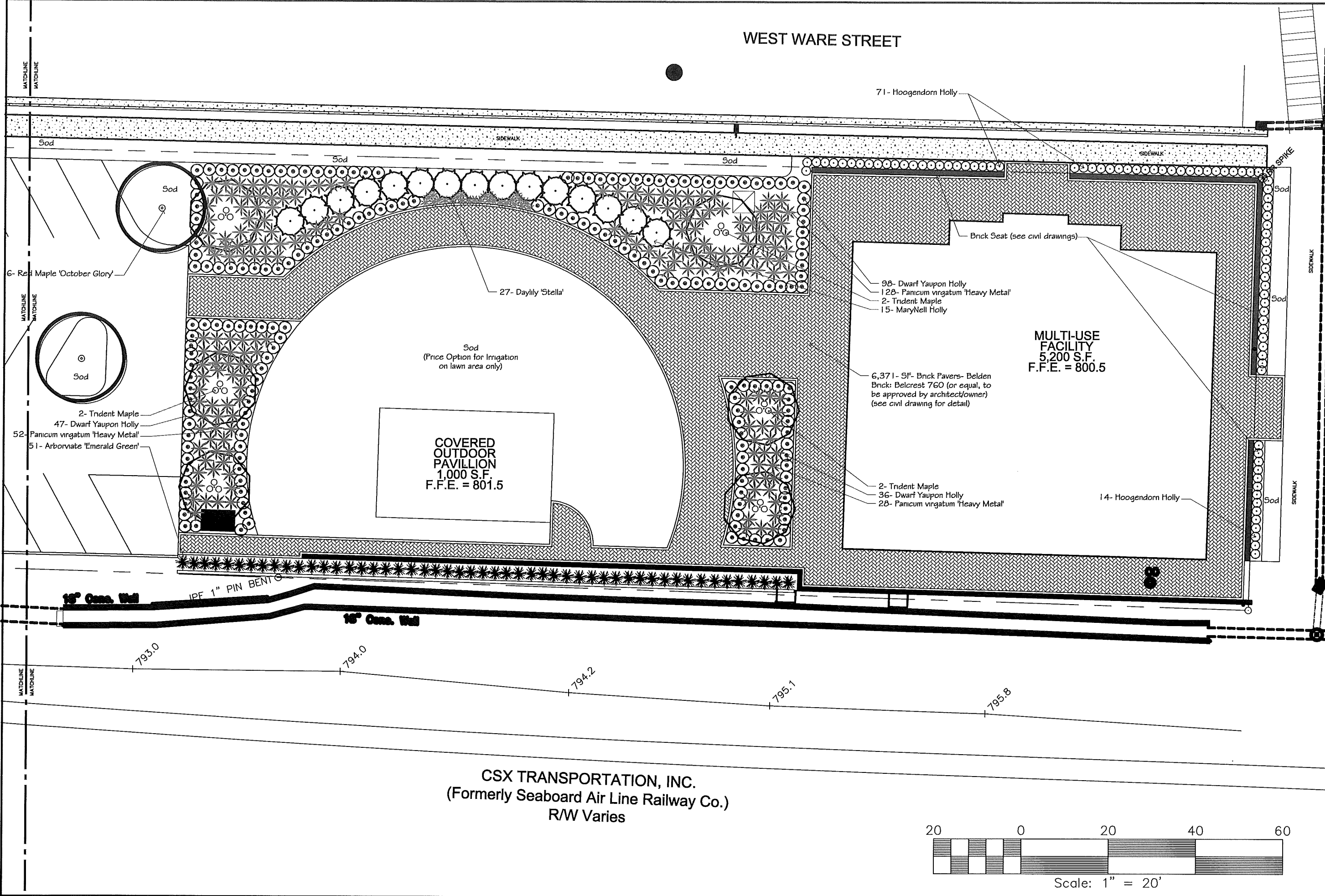
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Landscape Plan
Cedartown, Georgia

Watters & Associates
Landscape
Pools and Outdoor Living
www.watterslandscape.com
706-234-5482

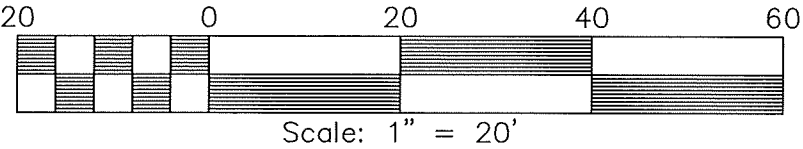
Date: 4/21/16
Designed By: B. Gilbert
Drawn By: B. Gilbert
Scale: 1" = 20'

Revisions	

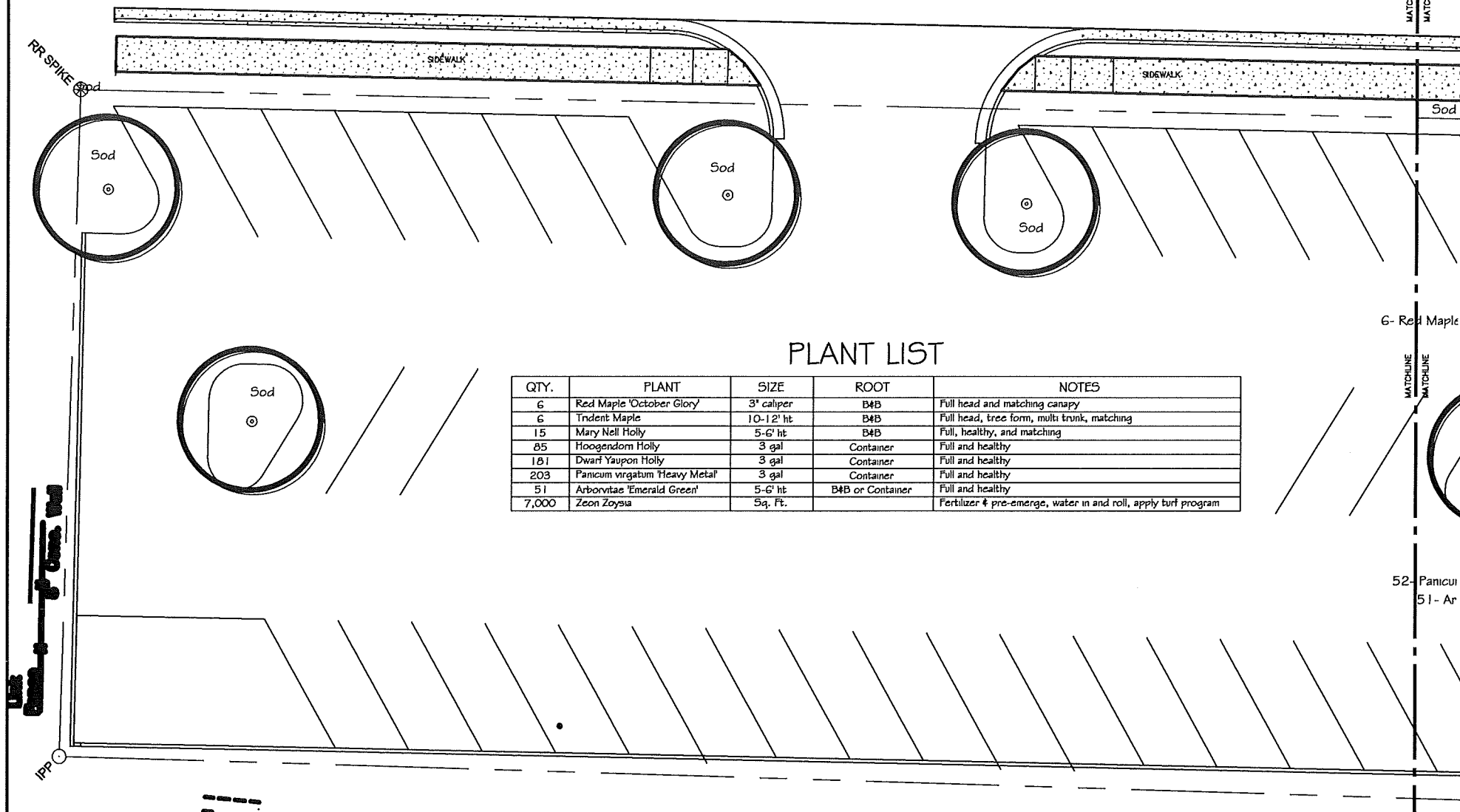
WEST WARE STREET



CSX TRANSPORTATION, INC.
(Formerly Seaboard Air Line Railway Co.)
R/W Varies



WEST WARE STREET



PLANT LIST

QTY.	PLANT	SIZE	ROOT	NOTES
6	Red Maple 'October Glory'	3" caliper	B&B	Full head and matching canopy
6	Tndent Maple	10-12' ht	B&B	Full head, tree form, multi trunk, matching
15	Mary Nell Holly	5-6' ht	B&B	Full, healthy, and matching
85	Hoogendorn Holly	3 gal	Container	Full and healthy
181	Dwarf Yaupon Holly	3 gal	Container	Full and healthy
203	Panicum virgatum 'Heavy Metal'	3 gal	Container	Full and healthy
51	Arborvitae 'Emerald Green'	5-6' ht	B&B or Container	Full and healthy
7,000	Zeon Zoysia	Sq. Ft.		Fertilizer & pre-emerge, water in and roll, apply turf program

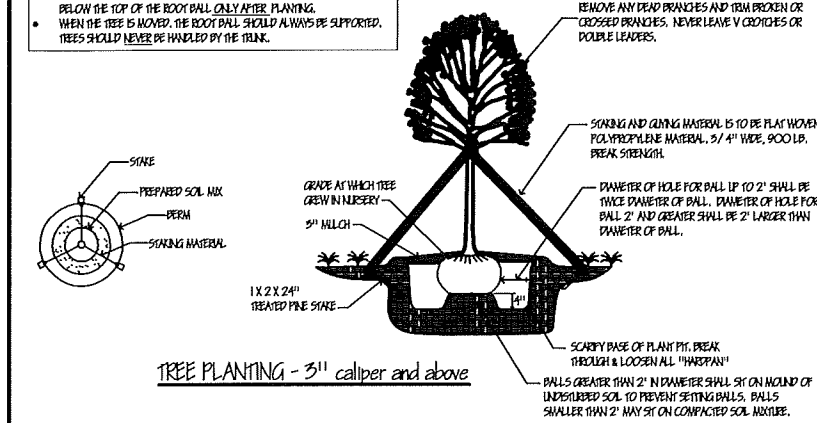
- Site Notes:
- 1.) Provide positive drainage away from all buildings and structures.
 - 2.) Provide positive drainage away from all walkways, patios, and drives.
 - 3.) Provide a minimum 2% slope for positive drainage in turf and bed areas.
 - 4.) Backfill holes, trenches, walls, or foundations in 12" layers and firmly compact each layer.
 - 5.) Do not backfill with dirt clods or lumpy soils. Use clean, compactable dirt.
 - 6.) Provide solid sub base for all footings for walls, columns, and structures. Do not place footing in recently un-compacted fill dirt.
 - 7.) Place plywood, boards, or tarps over walks, patios, and drives when crossing machines or equipment.
 - 8.) Provide wheat straw or pine straw on all exposed dirt around buildings, structures, drives, walks, and patios to prevent mud stains.
 - 9.) Provide additional erosion control measures to prevent washing on property when needed.
 - 10.) All grading should be completed within 1/10th of final grade prior to planting.
 - 11.) Confirm all final grades for top of walls, bottom of walls, top of curbs, top of walks, patios, and drives.
 - 12.) Track in all slopes greater than 30%.

- Drainage Notes:
- 1.) Provide positive drainage away from all buildings, structures, walks, patios, and drives.
 - 2.) Use slight berms and swales to direct surface water into drainage structures.
 - 3.) Field locate catch basins to low points to catch maximum amount of surface water.
 - 4.) Provide a band of river rock around catch basins located in beds.
 - 5.) Attach downspout connector to vertical section of down spouts.
 - 6.) Tie in no more than three downspouts into one 4" pipe. Maximum of six downspouts per 6" pipe.
 - 7.) Provide clean outs in all pipes with runs over 100 linear feet.
 - 8.) Set catch basins and inlets 1/4" below final grade.
 - 9.) Tie in catch basins to main drainage line with Y-connectors.
 - 10.) Run all French drains in separate pipe and do not tie into main drainage lines.
 - 11.) Place rocks at exit off drain pipes to prevent erosion and slow down water velocity.
 - 12.) Provide a minimum of 1% slope in smooth wall pipe and 2% in perforated pipe.
 - 13.) All French drains should be a minimum of 12" deep. Provide a layer of filter fabric prior to installing pipe and placing gravel fill.
 - 14.) All hard surfaces should have a minimum slope of 1% for positive drainage.
 - 15.) Avoid dumping downspouts or drain pipes on to walks, patios, or drives.
 - 16.) Set trench drains at low points to maximize catching surface runoff.
 - 17.) Provide a minimum of 1% cross slope in trench drain for positive flow.

- Irrigation Notes (cont.):
- 11.) Contractor to provide head placement to ensure overlapping coverage from head to head.
 - 12.) Contractor will not put more than two lines in one 4" wide trench. When more than one line is in a trench provide a minimum of 2" between each line.
 - 13.) Contractor to provide dedicated spray zones for annual color beds.
 - 14.) Contractor to provide outdoor controller when at all possible.
 - 15.) Contractor to provide drip zones for all planting beds with trees, shrubs, grasses, and perennials.
 - 16.) Contractor to provide 4 GPH to all trees and shrubs over 8' mature height.
 - 17.) Contractor to provide 1 GPH to all shrubs, grasses, and perennials.
 - 18.) Contractor to place and adjust heads as to not spray buildings or residence.
 - 19.) Contractor to avoid spraying any other hardscape features when possible.
 - 20.) Contractor to make final adjustments to head to provide complete coverage to all landscape areas.
 - 21.) Contractor to place all turf sprays and heads 3-6" away from edge of drives, walks, and patios.
 - 22.) Contractor will not place sprays or rotor heads within 3-6" of bed lines.
 - 23.) Contractor to provide in-line drip tube for any ground cover areas that are located in beds covered by drip zones.
 - 24.) Contractor to provide scaled as-built drawings of irrigation system with static water pressure. Also provide GPM usage for each zone.

- Planting Notes:
- 1.) Plant all trees and shrubs with 2-3" of root ball above original grade.
 - 2.) Loosen the roots around all root balls to encourage new root growth.
 - 3.) Provide staking for all trees and large shrubs and make sure they are planted straight.
 - 4.) Dig planting hole two times the width of root ball.
 - 5.) Remove all sticks, large rocks, debris, and loose roots from planting areas prior to planting.
 - 6.) Till all new planting beds to a minimum depth of 6" prior to planting.
 - 7.) Use a mixture of 1/3 organic material, 1/3 top soil, and 1/3 native soil to plant trees and shrubs.
 - 8.) Use a mixture of 1/2 organic matter and 1/2 top soil for all raised annual and perennial beds.
 - 9.) Provide a minimum of 4" of pine straw to all planting beds and tree wells.
 - 10.) Foot edge all bedlines and tree well at time of installation.
 - 11.) Hand rake or prepare all sod areas to remove loose clumps, rocks, and roots as well as other debris.
 - 12.) Spray out all weeds and existing grass prior to installation to give adequate time to die off.
 - 13.) Apply starter fertilizer and pre-emergent after prepping and prior to laying sod.
 - 14.) Lay sod running perpendicular to slope when possible.
 - 15.) Lay sod with joints offset from previous row.
 - 16.) Sod joints should be 1/2" or less. Patch all joints over 1/2".
 - 17.) Remove netting when laying sod on athletic fields.
 - 18.) Cut in all overlapping joints and bedlines.
 - 19.) Water in all plant material and sod after installation.
 - 20.) Roll sod after it is wet enough to be smoothed out by sod roller.
 - 21.) Prune all broken limbs and branches on tree and shrubs at time of planting.
 - 22.) Remove all tags and labels from new plantings.
 - 23.) Remove all trash and debris from job site.

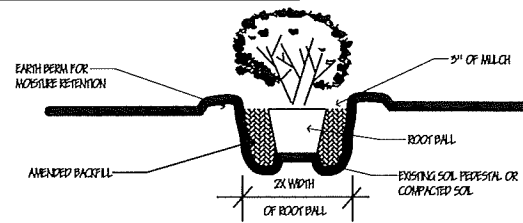
- NOTES:
- SET TOP OF ROOT BALL A MINIMUM OF 2" ABOVE ADJACENT FINISH GRADE.
 - CUT BALLS UP AND REMOVE TOP HALF OF BALL ONLY AFTER PLANTING.
 - CUT AND BRUSH BACK TOP AND SIDES OF WIRE BASKETS TO A MINIMUM OF 12" BELOW THE TOP OF THE ROOT BALL ONLY AFTER PLANTING.
 - WHEN THE TREE IS MOVED, THE ROOT BALL SHOULD ALWAYS BE SUPPORTED. TREES SHOULD NEVER BE HANDLED BY THE TRUNK.



TREE PLANTING - 3" caliper and above

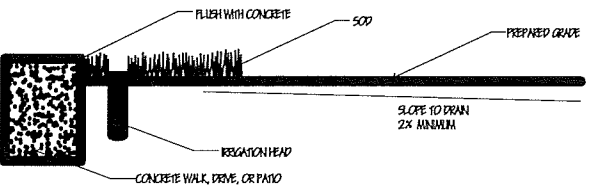
PLANTING SHRUBS

- NOTES:
- PRUNE ALL DEAD & BROKEN BRANCHES WHEN PLANTING
 - TOP OF ROOT BALL SHOULD BE 1-2" ABOVE EXISTING GRADE
 - WATER IN THOROUGHLY AFTER PLANTING
 - LOOSEN EDGE OF ROOT BALL PRIOR TO PLANTING

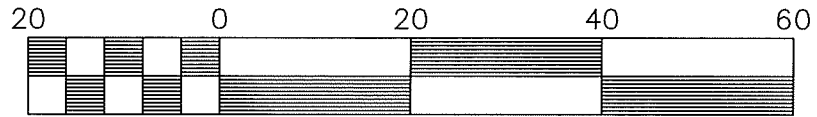


SODDING

- NOTES:
- REMOVE ALL STUMPS, ROOTS, & ROCKS FROM SOD AREAS.
 - APPLY STARTER FERTILIZER & PRE-EMERGENTS PRIOR TO LAYING SOD.
 - ROLL SOD WITH ROLLER (PARALLEL W/ GRADE FIRST, THEN PERPENDICULAR).
 - IF NEW IRRIGATION IS INSTALLED, MAKE SURE PATCHES ARE COMPACTED TO PREVENT SETTLING.
 - CUT IN SOD AROUND ALL HARD SURFACES, GRATES, METERS, VALVE BOXES, & IRRIGATION HEADS.
 - LAY OR ROLL SOD ACROSS SLOPE, START AT THE LOW POINT, AND WORK YOUR WAY UP THE HILL.
 - LEAVE NO JOINTS GREATER THAN 1/2" WHEN LAYING SOD.



- Irrigation Notes:
- 1.) Use schedule 40 PVC for all mainline.
 - 2.) Use a minimum 1" mainline.
 - 3.) Use class 200 PVC for all lateral lines.
 - 4.) All irrigation lines are to be 12"-15" below final grade
 - 5.) Provide a drain valve in the lowest point of the mainline.
 - 6.) All valve boxes are to be set flush with final grade.
 - 7.) All rotor heads are to be set 1/8" - 1/4" below final grade.
 - 8.) Contractor to install backflow preventer in accordance with local guidelines and regulations at point of connection to municipal water supply.
 - 9.) Contractor to provide isolation shut off valve to mainline at backflow preventer.
 - 10.) Contractor is to backfill and compact all ditches so no settling will occur after sod installation.



Scale: 1" = 20'

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Lankford Center
Landscape Plan
Cedartown, Georgia

Waters & Associates
Landscape
Pools and Outdoor Living
www.waterslandscape.com
706-234-5482

Date: 4/21/16
Designed By: B. Gilbert
Drawn By: B. Gilbert
Scale: 1" = 20'

Revisions

WOODWORKS® Trim (Aluminum Substrate)

Installation Instructions

1. GENERAL

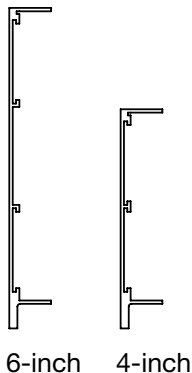
1.1 Description

WoodWorks Trim (aluminum substrate) is a unique system designed for use with Tegular, Vector®, Linear and Channeled ceilings from Armstrong. It is designed for full panel installations, but may also be used for field cut border panels.

The finned edge on the trim duplicates the 1/4" panel reveal at the edges of Vector installation. This option is for full panel installations only.

The flat edge on the trim is used for Tegular full panel installations and must be used for all cut Tegular and Vector, Linear and Channeled panels.

Two profile heights are available.



WoodWorks Trim comes in straight sections and can be field cut or mitered using a power miter saw equipped with a blade designed to cut aluminum.

⚠ CAUTION! WOOD DUST. Sawing, sanding and machining wood products can produce dust. Airborne wood dust can cause respiratory, eye and skin irritation. The International Agency for Research on Cancer (IARC) has classified wood dust as a nasal carcinogen in humans.

Precautionary measures: If power tools are used, they should be equipped with a dust collector. If high dust levels are encountered, use an appropriate NIOSH-designed dust mask. Avoid dust contact with eyes and skin.

First Aid Measure in case of irritation:

Flush eyes or skin with water for at least 15 minutes.

These instructions are divided into four sections detailing material delivery, component assembly, installation and final detailing. Please carefully review all appropriate sections for your ceiling panel type (i.e. Vector, Linear or Channeled) before proceeding with installation.

2. MATERIAL DELIVERY

Components and hardware are delivered to the job site in specially designed packaging. Exercise appropriate care to protect the finished surfaces of the trim.

3. COMPONENT ASSEMBLY

3.1 Splice Plates

Steel splice plates are used to align and secure all joints between sections of trim. Two splice plates are required at each joint. Splice plates are secured to the trim sections using factory-installed set screws. Where desired, it may be beneficial to caulk or tape the backside of the joints to prevent light transmission.

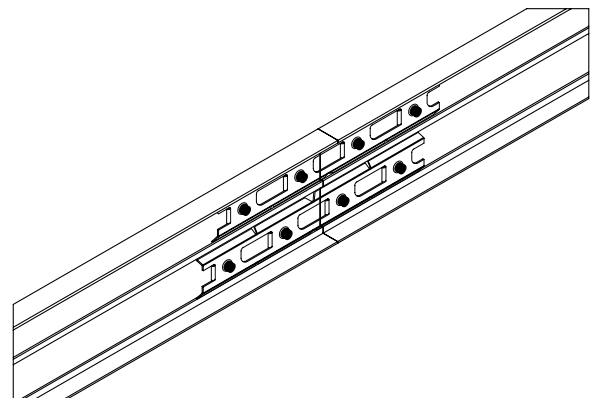
Typical procedure:

3.1.1 Position the splice plate in the bosses on the inside of the trim.

3.1.2 Pull the trim tightly together for the best fit.

3.1.3 Use a 1/8" hex key wrench to tighten the set screws that secure splice to trim.

CAUTION: Do not over-tighten these screws to the point where they distort the face of the trim.

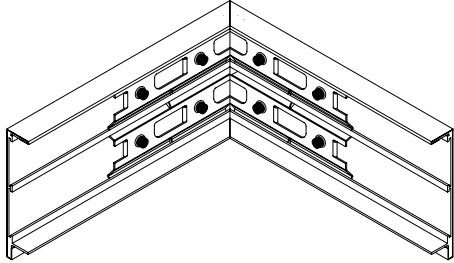


3.2 Corner Assembly

3.2.1 Trim can be field mitered using a power miter saw equipped with a blade designed to cut aluminum.

3.2.2 Bend the FXSPLICE splice plate at the center notches to form the desired angle.

3.2.3 Position the mitered corner for correct alignment and tighten the two setscrews on the FXSPLICE plate.



3.3 Grid Connector Clips

Clips are used to attach the trim to the supporting suspension system members. The appropriate clip will vary depending on the ceiling panel being used. Follow the recommendations for your product type.

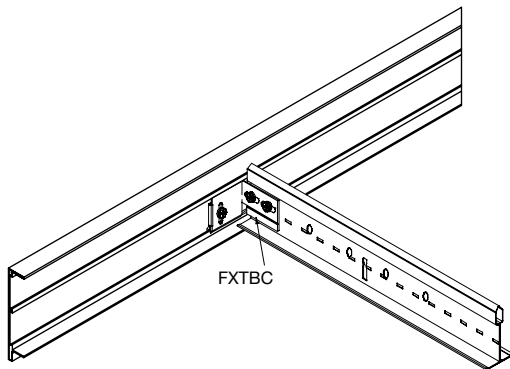
Clips are attached to the grid members using screws or pop-rivets supplied by the installer. Framing screws (#6 x 7/16" or 1/2" lg.) are typical.

Typical procedure:

3.3.1 Cut grid to length

3.3.2 Attach clip to grid member

3.3.3 Engage clip in lower trim bosses and tighten locking screw



4. GENERAL INSTALLATION PROCEDURES

4.1 Lay out and install the suspension system according to the reflected ceiling plan.

Installation procedures will be described separately for each type of panel.

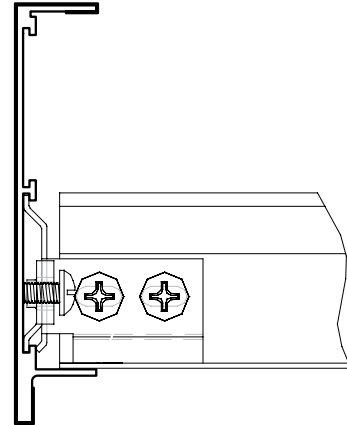
4.2 Vector Full Panels

4.2.1 Cut and install the grid to maintain precisely 23-1/16" between the outer edge of the 15/16" T-bar grid and the inner edge of the trim. The grid must rest approximately 1/4" to 3/8" on the trim flange.

4.2.2 The correct length for the trim, when measured along the inside edge, will be 15/16" less than the nominal dimension of the full panel installation.

EXAMPLE: The nominal dimension of a four panel wide cloud would be 96". The trim should be cut to 95-1/16" measured along the inside edge.

4.2.3 Attach the T-Bar Connector Clips (FXTBC) to each perimeter section of grid. Rest the bottom of the FXTBC on the grid flange. Insert one #7 x 7/16" framing screw (or equivalent) in the middle of the slot.



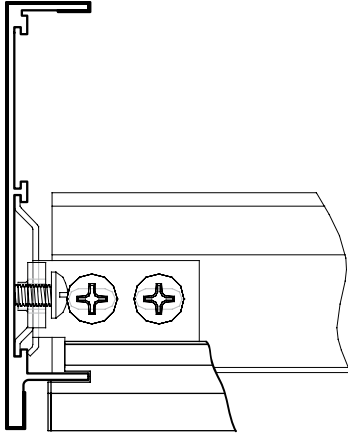
4.2.4 Install the Trim

Hang the sections of trim with fin side down for Vector, onto the grid system by engaging the top ear of the connector clips under the boss of the trim. Slide the back plate downward to engage the lower boss on the trim and secure by tightening the locking screw.

4.2.4.1 Complete the installation of all trim sections. Install and secure the splices.

4.2.4.2 Make adjustments as necessary to properly align and space the complete installation. Insert a second framing screw in each of the FXTBC's to secure the system.

4.2.5 Install the Vector panels as per instructions. The bottom of the Vector panel will be flush with the trim fin and maintain the 1/4" reveal along the perimeter.



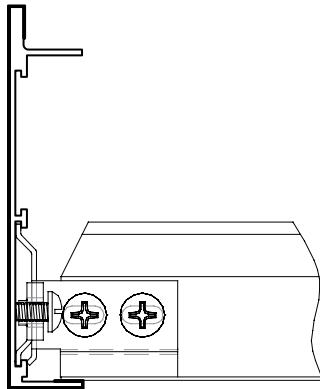
4.3 Tegular Full Panels

4.3.1 Cut and install the grid to maintain precisely 23-7/16" between the outer edge of the 9/16" grid and the inner edge of the trim. The grid must rest approximately 1/4" on the trim flange.

4.3.2 The correct length for the trim, when measured along the inside edge, will be 9/16" less than the nominal dimension of the full panel installation.

EXAMPLE: The nominal dimension of a four panel wide cloud would be 96". The trim should be cut to 95-7/16" measured along the inside edge.

4.3.3 Attach the T-Bar Connector Clips (FXTBC) to each perimeter section of grid. Rest the bottom of the FXTBC on the grid flange. Insert one #7 x 7/16" framing screw (or equivalent) in the middle of the slot.



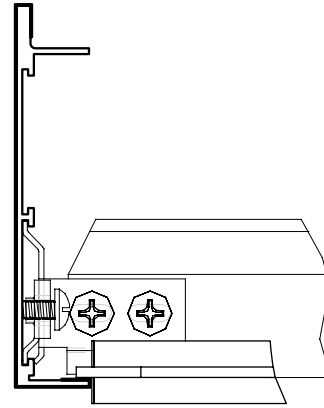
4.3.4 Install the Trim

Hang the sections of trim with the flat side down for Tegular, onto the grid system by engaging the top ear of the connection clips under the boss of the trim. Slide the back plate downward to engage the lower boss on the trim and secure by tightening the locking screw.

4.3.4.1 Complete the installation of all trim sections. Install and secure the splices.

4.3.4.2 Make adjustments as necessary to properly align and space the complete installation. Insert a second framing screw in each of the FXTBC's to secure the system.

4.3.5 Install the Tegular panels as per instructions.



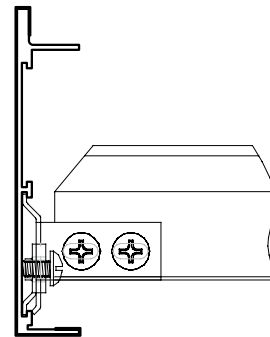
NOTE: The screws in the FXTBC may interfere with the insertion of the panel along the trim. Fit the panel edge into the grid at the sides and slide the panel back under the screws until the panel drops into the grid.

4.4 Cut Border Panels

4.4.1 The cut edge of all panels must rest on the trim flange. All installations with cut borders will have the trim installed with the flat side down.

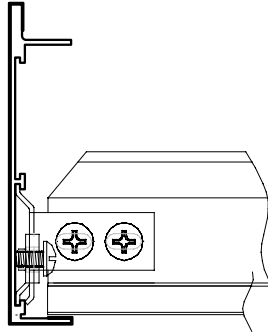
4.4.2 Vector Cut Border Panels

The face of Vector panels is 7/16" below the face of the grid. Since the cut panel edge must rest on the trim flange, the grid must be raised 7/16" above the trim flange. To do this, you must use the optional Vector T-bar Connector Clip (FXVTBC, 10 pcs/ctn) ordered separately for cut border installations. A clip is required for each end of grid attached to the trim. Cut the bottom of the clip off at the score line.



Lay out and cut the grid 1/4" larger than the required border size. Install the FXVTBC with the clip resting on the grid flange for the proper 7/16" clearance. Insert one #7 x 7/16" framing screw (or equivalent) in the middle of the slot.

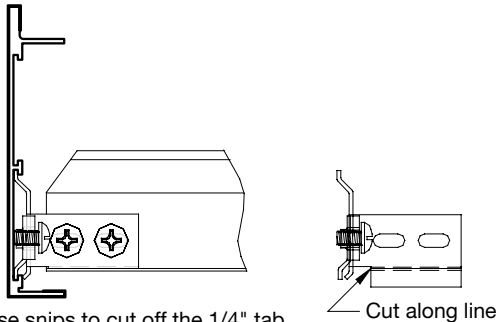
Install the trim using same method as full panel installation. Follow the installation instructions for Vector panels.



Vector cut border, rest cut panel edge on bulkhead flange

4.4.3 Tegalur Cut Border Panels

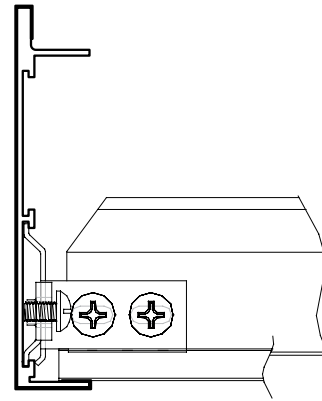
The face of Tegalur panels is 1/4" below the face of the grid. Since the cut panel edge must rest on the trim flange, the grid must be raised 1/4" above the trim flange. To do this, you must modify the T-bar Connector Clip (FXTBC). Use snips to cut off the 1/4" tab at the bottom of the clip. A clip is required for each end of grid attached to the trim.



Use snips to cut off the 1/4" tab,

Cut along line

Lay out and cut the grid 1/4" larger than the required border size. Install the modified FXTBC with the clip resting on the grid flange for the proper 1/4" clearance. Insert one #7 x 7/16" framing screw (or equivalent) in the middle of the slot. Install the trim using same method as full panel installation. Follow the installation instructions for Tegalur panels. Install hold down clip FXSPHDC as required.



WoodWorks Trim Tegalur cut border, rest cut panel edge on bulkhead flange

4.5 Linear and Channeled Installation

4.5.1 Support Options

Floating installations of linear wood and channeled wood surrounded with WoodWorks Trim (aluminum substrate) may be supported using one of the following methods:

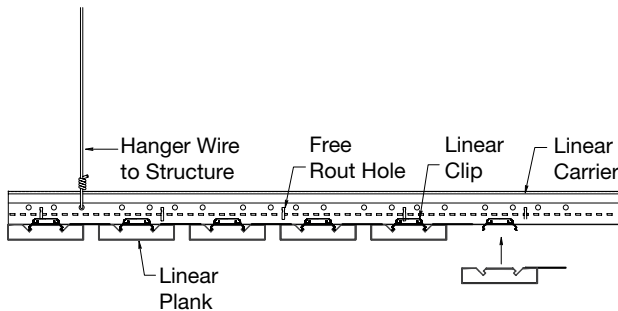
4.5.1.1 Hanger wires direct to carriers/main beams – Carriers/main beams are to be spaced not more than 24" from the edges of the cloud and then at 24" centers. Each row of carriers/main beams is to be supported by minimum #12 gage wires located not more than 12" from the ends of each row and then at 48" centers. Cross tees are to be installed in rows not more than 24" from the ends of the carriers/main beams and then 48" on center. Cross tees that extend from the last carrier to the perimeter trim are to be supported by wires placed closer to the trim than the midpoint of the tee.

4.5.1.2 SH12 Support Hanger

When the SH12 support hanger is used to support the cloud the hangers will attach to the support hanger, not to the carriers or main beams. Support hangers are to be located at a line of cross tees not more than 24" from the ends of the carriers and then at 48" centers. Each row of support hanger is to be suspended from minimum #12 gage wire located not more than 24" from the edge of the cloud and then at 48" centers.

4.5.2 Linear Wood Design Considerations

Floating installations of linear wood are attached to a suspension system that is made up of main carriers and cross tees. The wood slats are attached to specially designed clips that are fixed to the carriers. The placement of these clips blocks access to some of the rout holes that are used to connect the cross tees. When the 4-1/2" module planks and carriers are used every fourth rout hole along the length of the carrier is available to install the cross tees; additionally, these carriers are handed, meaning that once the first carrier in a row is installed subsequent carriers may not be turned end-for-end. Plan the installation carefully to insure that rout holes for cross tees are available within 24" of each end of the run of carriers and that the holes align from one row of carriers to the next.



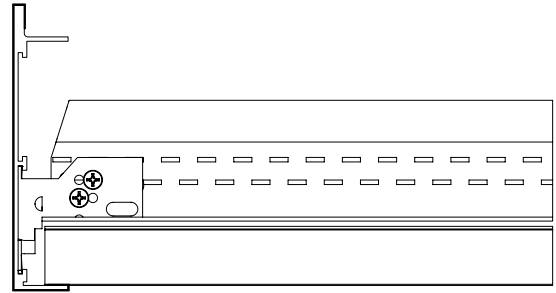
All cross tee routs are blocked when using the 6" module planks and carriers. In order to use these parts in a floating cloud installation a field rout tool (#7876) must be used to punch additional routs for the placement of the cross tees.

4.5.3 Expansion/Contraction Control – Linear and Channeled

When installed within the range of temperature and humidity specified for this product the maximum amount of expansion or contraction anticipated will be 1/4" for every 8' of continuous wood. The horizontal flange of the trim will allow enough room for runs of wood up to sixteen feet in length. When installations are longer than this they must be broken into a series of clouds not to exceed 16' or additional expansion relief must be included within the larger cloud. This additional relief requires stopping and re-starting each row of planks and allowing an additional 1/4" space for every 8' of length in excess of the 16' controlled within the trim.

4.5.4 Attaching the Trim – Linear and Channeled

The face of the grid must be held 7/8" above the lower flange of the perimeter trim. Use a modified twist clip (#5948) at each location where grid interfaces with the trim. Install the clips with screws or pop-rivets as shown in the drawing below.



4.5.5 Plank End Hold Down – Linear and Channeled

When the humidity or temperature varies there may be a tendency for the ends of the planks to curl up or down. The flange on the perimeter trim will control downward movement, but additional grid must be added to prevent upward movement from lifting the ends of planks off of the trim flange. Use the following procedure to control the ends of the planks:

1. Cut lengths of grid or steel stud to rest on the flanges of the grid parallel to the perimeter trim and as close as is practical. Secure these parts to the grid with framing screws inserted from below.
2. Install the planks and shim the gap between the top surface of the plank and the blocking. This gap is approximately 1/8". It can be filled by inserting material of the correct thickness between the plank and the blocking. Alternately, drive two framing screws into the bottom of the blocking before installing each plank. The heads of these screws can be used to take up the space between the top of the plank and the blocking.

4.5.6 Hints for Full Width Plank Installations – Linear

For 4-1/2" planks – cut the carriers 2" beyond the centerline of the last clip.

For 6" planks – cut the carriers 2-3/4" beyond the centerline of the last clip.

The face of the trim will be 3/8" further away from the end of the carriers (example – for a cloud floating on all sides – measure the overall length of the carriers prepared as stated above and add 3/4" for the length of the perimeter trim that will run perpendicular to the length of the carriers.)

4.6 Add additional hanger wires as required.

4.6.1 The manufacturer requires that trim and their supporting suspension systems be installed and supported in a manner that complies with all applicable codes and standards. Typically this will require the use of #12 ga. galvanized, soft annealed steel wire or equivalent. Specification and approval of alternate materials should be by design professionals familiar with the project. Mechanics should exercise care in the application of hangers to minimize the visual impact on the finished installation. Wire wraps should be tight and neat, and where appropriate, the wires may be painted to blend into the background as much as possible.

4.6.2 Main beams must be supported 4' on center or by calculation based on actual ceiling weight.

4.6.3 Cross tees located closest to the corners of the perimeter trim and then at 4' centers must be supported by wires closer to the trim than the midpoint of the tee.

4.6.4 Installations in areas requiring seismic restraint may require wires attached to each grid member within 8" of the cut end. Lateral force bracing shall be consistent with locally approved standards or as detailed in the specifications.

5. FINAL DETAILING

5.1 Check and adjust the alignment of trim components and ceiling panels.

5.2 Clean exposed surfaces as required. Trim and panels may be wiped down with a mild household cleaner to remove fingerprints, oil, etc.

5.3 For light cove applications, a dark latex chalk or tape should be applied to the inside of all seams if light leaks are apparent.

MORE INFORMATION

For more information, or for an Armstrong representative, call 1 877 ARMSTRONG.

For complete technical information, detail drawings, CAD design assistance, installation information and many other technical services, call TechLine™ services at 1 877 ARMSTRONG or FAX 1 800 572 TECH.

For the latest product selection and specification data, visit armstrong.com/trim.

U.S. Patents Pending, including US Publication No. 2004/0182022.

FOR EXTERIOR RESTROOMS AT THE LANKFORD EVENT CENTER.

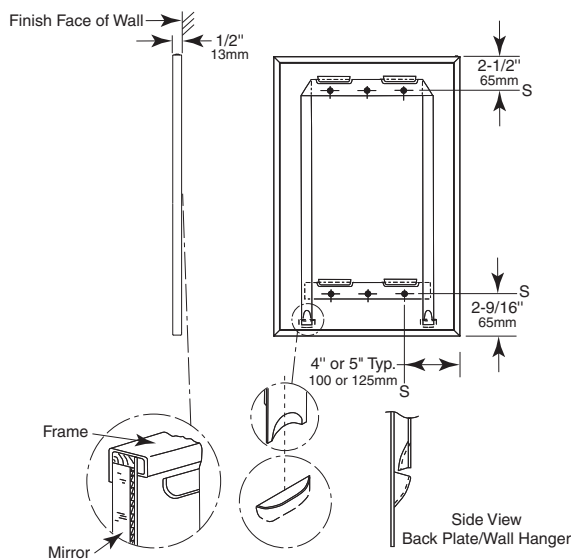


Designer's Notes:

1. Special-order sizes available on request.
2. Maximum size mirror available, 96" x 72" (244 x 183cm); minimum size, 13" x 19" (33 x 48cm).
3. All Bobrick framed mirrors are manufactured to overall width and height dimensions. EXAMPLE: A 24" x 36" (61 x 91cm) mirror will be furnished 24" x 36" (61 x 91cm) outside-of-frame to outside-of-frame.
4. To specify special sizes use Series Number followed by width then height in inches. EXAMPLE: B-165 2024.
5. Bobrick framed mirrors are manufactured to a tolerance 1/8" (3.2mm).
6. For sufficient space to lift mirror onto wall hanger(s), provide 1" (25mm) minimum clearance above top of mirror frame.
7. Provide 1" (25mm) minimum clearance at bottom of mirror for unlocking mirror from wall and 1/2" (12.7mm) minimum clearance on each side.

Snap Locking Design
(Rear View)

Figure: 1

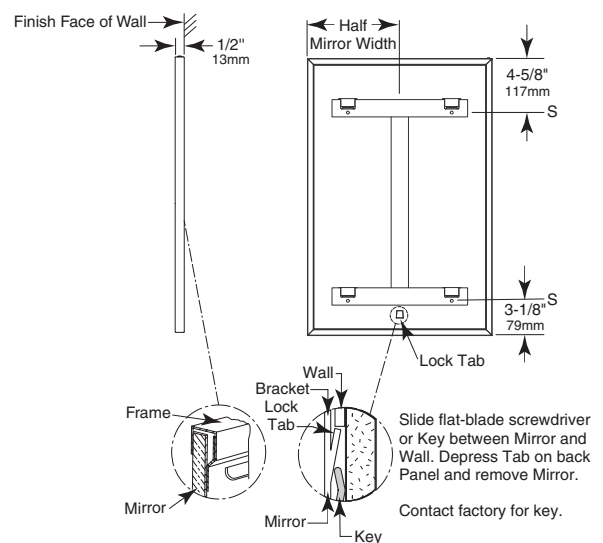


STANDARD B-165 SERIES MIRRORS

MODEL NO.	OVERALL SIZE	
	W	H
B-165 1824	18" (46cm)	24" (61cm)
B-165 1830	18" (46cm)	30" (76cm)
B-165 1836	18" (46cm)	36" (91cm)
B-165 2436	24" (61cm)	36" (91cm)
B-165 2448	24" (61cm)	48" (122cm)
B-165 2460	24" (61cm)	60" (152cm)

Lock Tab Design
(Rear View)

Figure: 2



STANDARD B-165 SERIES MIRRORS

MODEL NO.	OVERALL SIZE	
	W	H
B-165 4836	48" (122cm)	36" (91cm)

All Other Size Mirrors

Note: Mirrors greater than 30" in width will have multiple hanger brackets with a typical 8" off each edge.

Width	Hangers
Up to 30" (Up to 76cm)	1
31" to 41" (78 to 104cm)	2
42" to 72" (106 to 183cm)	3
73" to 91" (185 to 231cm)	4
92" to 96" (233 to 243cm)	5

continued . . .

MATERIALS:

Frame — Type-430 stainless steel, 1/2" x 1/2" x 3/8" (13 x 13 x 9.5mm) channel with 1/4" (6mm) return at rear for Snap Locking Design; 1/2" x 1/2" x 1/2" (13 x 13 x 13mm) channel for Lock Tab Design, with bright polished finish. One piece frame with 90 degree mitered corners. Galvanized steel back has integral horizontal hanging brackets near the top for hanging the mirror and near the bottom to prevent the bottom of the mirror from pulling away from the wall. Locking devices secure mirror to concealed wall hanger.

Mirror — No. 1 quality, 1/4" (6mm) select float glass: selected for silvering, electrolytically copper-plated by the galvanic process, and guaranteed for 15 years against silver spoilage. Back is protected by full-size, shock-absorbing, water-resistant, nonabrasive, polyethylene padding.

Concealed Wall Hanger — Galvanized steel construction. Incorporates upper and lower support members, which engage backplate louvers to keep mirror against wall.

INSTALLATION:

Mount wall hanger on wall with screws (not furnished) at points indicated by an S. For plaster or dry wall construction, provide backing to comply with local building codes, then secure wall hanger with screws (not furnished). When providing a concealed backing, allow backing to cover minimum range of mounting hole locations shown on drawing. For other wall surfaces, provide fiber plugs or expansion shields for use with screws (not furnished), or provide 1/8" (3mm) toggle bolts or expansion bolts. Hang mirror on wall hanger with all four backplate louvers engaged behind horizontal wall hanger members. To do this, mirror must be centered in front of the wall hanger horizontally, pressed flat against the wall approximately 1" (25mm) above final position and then lowered into final position.

Snap Locking Design — Locking devices automatically secure mirror to concealed wall hanger when it is lowered into final position (see figure 3). Locking devices may be unlocked by inserting two flat blade screwdrivers behind each side of mirror near the bottom or under the bottom of the mirror and pulling mirror bottom forward and then up.

Lock Tab Design — Locking devices automatically secure mirror to concealed wall hanger when it is lowered into final position (see figure 4). Locking device may be unlocked by sliding a flat-blade screwdriver or Key between mirror and wall at center of mirror and depressing tab on back panel. If key is required, please contact the factory.

**Snap Locking Design
(Front View)**

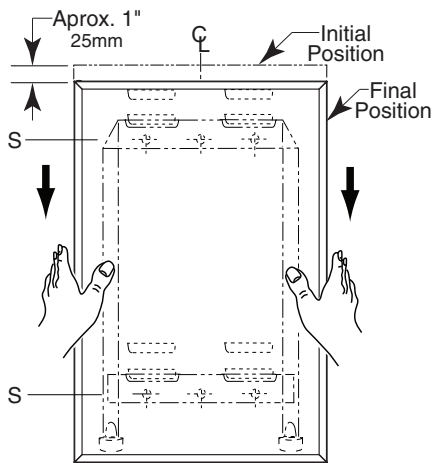


Figure: 3

**Lock Tab Design
(Front View)**

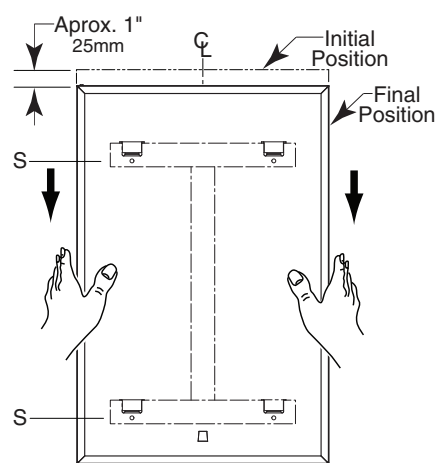
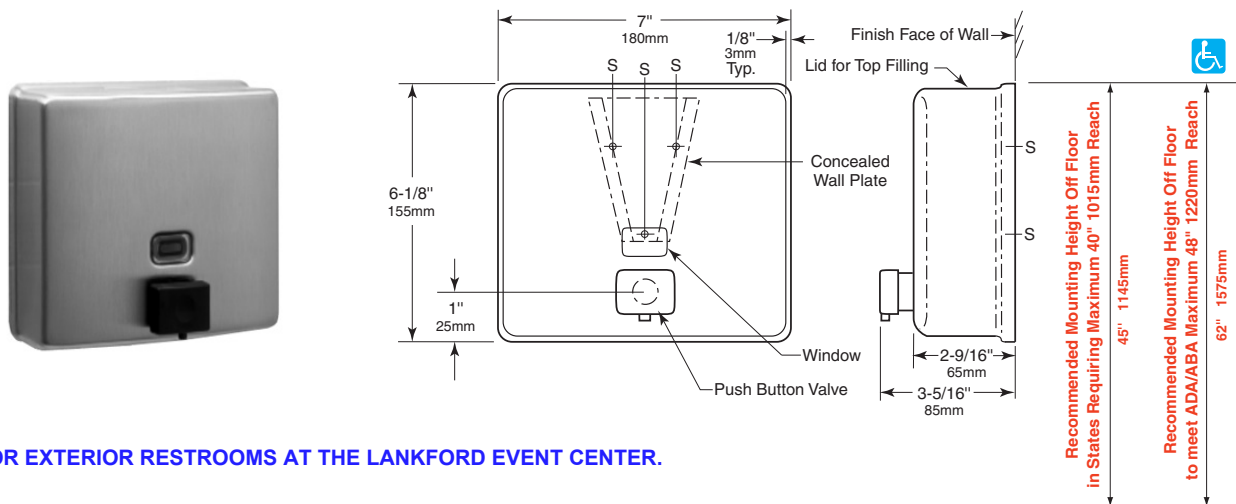


Figure: 4

SPECIFICATION:

Mirror shall have a one-piece type-430 stainless steel channel frame, with 90° mitered corners; all exposed surfaces shall have bright polished finish. Select float glass mirror shall be guaranteed for 15 years against silver spoilage. The back shall be protected by full-size, shock-absorbing, water-resistant, nonabrasive, polyethylene padding. Galvanized steel back shall have integral horizontal hanging brackets located at top and bottom for mounting on concealed wall hanger to prevent the mirror from pulling away from the wall. Locking devices secure mirror to concealed wall hanger. Mirror shall be removable from the wall.

Framed Mirror shall be Model B-165 _____ (insert width and height) of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.



FOR EXTERIOR RESTROOMS AT THE LANKFORD EVENT CENTER.

MATERIALS:

Container — Body is 18-8, type-304, 20-gauge (1.0mm) stainless steel with satin-finish. Drawn, one-piece, seamless construction. Front has same degree of arc as other Bobrick ConturaSeries washroom accessories. Radius on corners and edges complement other ConturaSeries accessories. Back plate is 22-gauge (0.8mm) stainless steel with 20-gauge (1.0mm) stainless steel mounting bracket attached. Container body and back plate are epoxy-sealed to prevent warping and leakage. Concealed wall plate is 20-gauge (1.0mm) stainless steel. Equipped with a plastic soap refill-indicator window and a locked, hinged stainless steel lid for top filling. Capacity: 40-fl oz (1.2-L).

Valve — Black molded plastic push button. Soap head-holding mushroom valve. Stainless steel spring. U-packing seal and duckbill. Antibacterial-soap-resistant plastic cylinder.

OPERATION:

Corrosion-resistant valve dispenses commercially marketed all-purpose hand soaps. To prevent corrosion, use only chloride-free pH-neutral liquid soaps. Valve operates with one hand, without tight grasping, pinching, or twisting of the wrist, and with less than 5 pounds of force (22.2 N) to comply with barrier-free accessibility guidelines (including ADAAG in U.S.A.). Window indicates when refill is required. The locked, hinged lid opens for top filling with special key provided. Concealed, vandal-resistant mounting.

INSTALLATION:

Secure wall plate to the wall with screws furnished at points indicated by an S. Slide mounting bracket of container down onto wall plate and secure unit with furnished locking-screw. For plaster or dry wall construction, provide concealed backing to comply with local building codes, then secure unit with screws furnished. For other wall surfaces, provide fiber plugs or expansion shields for use with screws furnished, or provide 1/8" (3mm) toggle bolts or expansion bolts.

Note: Surface-mount the dispenser plumb and true with valve 6" (152mm) to right or left of lavatory center. Provide 4" (102mm) minimum clearance from the lid to the underside of any horizontal projection. Push buttons should be located 44" (1120mm) maximum above the finish floor. Where a high reach is over an obstruction (countertop), the high forward reach shall be 48" (1220mm) maximum where the reach depth is 20" (510mm) maximum. Where the reach depth exceeds 20" (510mm) the high forward reach shall be 44" (1120mm) maximum and the reach depth shall be 25" (635mm) maximum.

SPECIFICATION:

Surface-mounted soap dispenser shall be type-304 stainless steel with satin-finish. Corrosion-resistant valve shall dispense commercially marketed all-purpose hand soaps. To prevent corrosion, use only chloride-free pH-neutral liquid soaps. Valve shall be operable with one hand and with less than 5 pounds of force (22.2 N) to comply with barrier-free accessibility guidelines (including ADAAG in U.S.A.). Front of soap dispenser shall have same degree of arc and match other Bobrick ConturaSeries accessories in the washroom. Radius on corners and edges of soap dispenser shall complement other Bobrick ConturaSeries washroom accessories. Container body and back plate shall be epoxy-sealed to prevent warping and leakage. Soap dispenser shall have concealed, vandal-resistant mounting. Locked, hinged stainless steel lid for top filling shall require special key to open. Capacity shall be 40-fl oz (1.2-L).

Surface-Mounted Stainless Steel Soap Dispenser shall be Model B-4112 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.



HDR130#SV

Clean Dry® High Speed Hand Dryer

FOR EXTERIOR RESTROOMS AT THE LANKFORD EVENT CENTER.

FEATURES

- High speed hand dryer
- Hygienic, touch-free operation
- Durable aluminium construction
- Low Operating noise 55dB(A)
- Energy Efficient 390W
- AC powered

COLORS/FINISHES

- #SV Silver

CODES/STANDARDS

- Meets or exceeds ANSI/UL 507, 9th edition, Rev. June 18th 2012 and CSA C22.2 No. 113-12 Oct 2012.
- Certifications: Intertek/ETL
- Code Compliance: NEC, CEC



PRODUCT SPECIFICATION

TOTO Model No. HDR130#SV shall be a high speed hand dryer. The product shall provide hygienic, touch-free operation. The product shall have operating noise of 55dB(A) or less. The product shall be AC powered and consume 390 W or less.



HDR130#SV

Clean Dry® High Speed Hand Dryer

SPECIFICATIONS

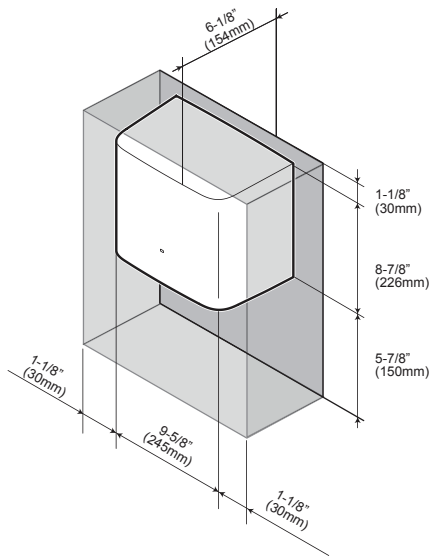
- Warranty One Year Warranty
- Power Connection Hardwired
- Power Rating 120V AC, 3.3Amps, 60 Hz, 390 W
- Power Saving Function Automatically turns OFF when hands are removed or after 30 seconds of use
- Air Speed 221 mph
- Unit Size 9-5/8" x 6-1/8" x 9"
(245mm x 154mm x 230mm)
- Unit Weight 8.2 lb (3.7 kg)
- Operating Temperature 32F°-113F° (0C°-45C°)
- Shipping Size 11-3/8" x 11-3/8" x 7-1/2"
(290mm x 289mm x 190mm)
- Shipping Weight 10.6lb (4.8kg)

These dimensions and specifications are subject to change without notice.

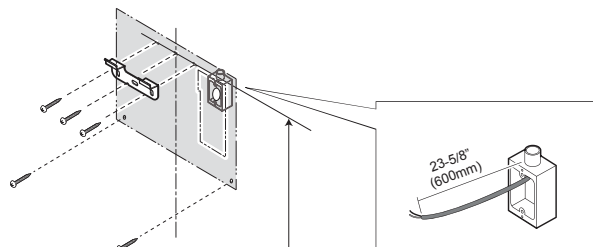
INSTALLATION NOTES

Check local code requirements for additional mounting height details.

ROUGH-IN



Keep some empty space around the product. There should be no obstructions within 30 mm from each side, 150 mm from the bottom, 30 mm from the top.



Recommended mounting bracket heights from floor are as follow
For general users: 49-3/4" (1265mm)
For users in wheel chairs: 42-3/8" (1077mm)
For children: 40" (1015mm)

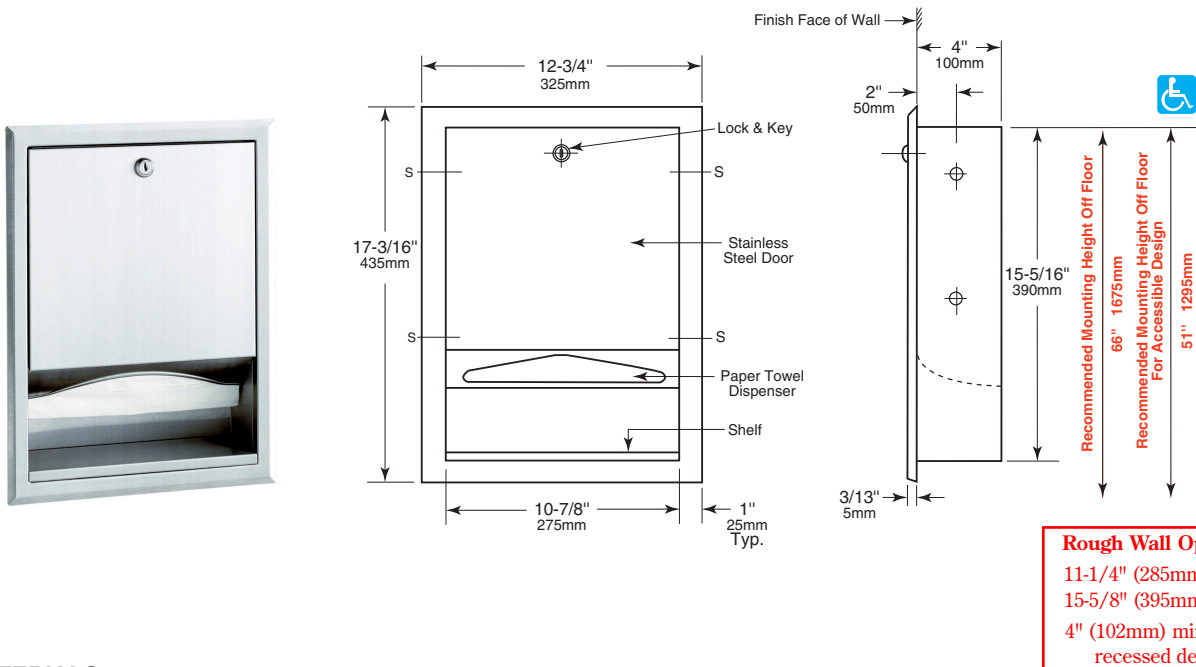


Meets the American Disabilities Act Guidelines, ANSI A117.1 and CSA B651 requirements when mounted in a recessed wall where the front surface is not more than 4" (102mm) from finished wall and mounting height for U.S. is 48" (1219mm) max to blower outlet from floor, and for Canada is 47-1/4" (1200mm) max to blower outlet from floor. Check local code requirements for additional mounting height details.

TOTO®

These dimensions and specifications are subject to change without notice

FOR DRINK AREA AT THE LANKFORD EVENT CENTER.



MATERIALS:

Cabinet — 18-8, type-304, heavy-gauge stainless steel. All-welded construction. Exposed surfaces have satin finish.

Flange — 18-8, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Drawn, one-piece, seamless construction.

Door — 18-8, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Double-pan-back construction is warp-resistant. Secured to cabinet with a welded, full-length stainless steel piano-hinge. Equipped with a stainless steel cable door-swing limiter and tumbler lock keyed like other Bobrick washroom accessories.

Paper Towel Dispenser — 18-8, type-304, 22-gauge (0.8mm) stainless steel. Dispenses C-fold or multifold paper towels. Capacity: 350 C-fold or 475 multifold paper towels.

Shelf — 18-8, type-304, 22-gauge (0.8mm) stainless steel with satin finish.

Optional: Order Bobrick Part No. 369-130 TowelMate® Accessory Module has towel guide angle with 90 degree return to prevent paper towels from falling forward out when door is opened for servicing. TowelMate Accessory Support Rod allows dispenser to dispense paper towels one at a time without tabbing, tearing, bulging, sagging and bunching.

OPERATION:

Paper towel dispenser will dispense C-fold or multifold paper towels without adjustment or use of adapters.

INSTALLATION:

Provide framed rough wall opening 11-1/4" wide x 15-5/8" high (285 x 395mm). Minimum recessed depth required to finish face of wall is 4" (102mm). Allow clearance for construction features that may protrude into rough wall opening from opposite wall. Coordinate with mechanical engineer to avoid pipes, vents, and conduits in wall. Mount unit in wall opening with shims between framing and cabinet at all points indicated by an S, then secure unit with #8 x 1-1/4" (32mm) sheet-metal screws (not furnished by manufacturer).

SPECIFICATION:

Recessed paper towel dispenser shall be type-304 stainless steel with all-welded construction; exposed surfaces have satin finish. Flange shall be drawn, one-piece, seamless construction. Door shall be secured to cabinet with a welded, full-length, stainless steel piano-hinge and equipped with a stainless steel cable door-swing limiter and tumbler lock keyed like other Bobrick washroom accessories. Shelf shall be stainless steel with satin finish. Paper towel dispenser shall dispense 350 C-fold or 475 multifold paper towels without additional adapters or trays.

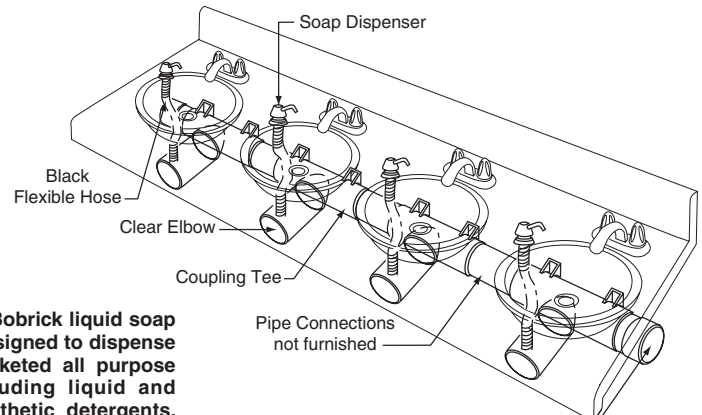
Recessed Paper Towel Dispenser shall be Model B-359 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

BOBRICK**Technical Data****LAVATORY-MOUNTED
SOAP DISPENSER
WITH UNDER-THE-COUNTER
SOAP RESERVOIR****B-922
B-9226**

FOR DRINK AREA AND INTERIOR
RESTROOMS AT THE LANKFORD
EVENT CENTER.

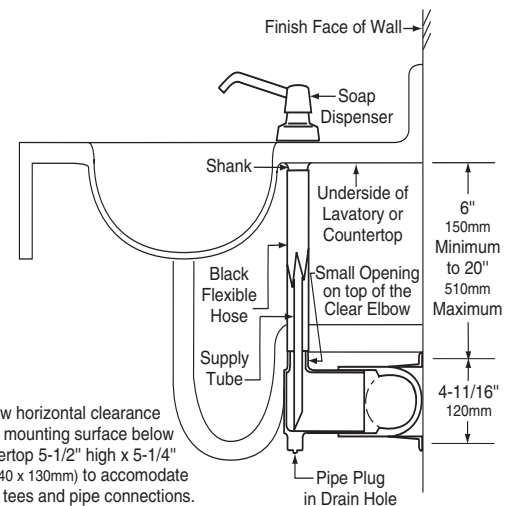
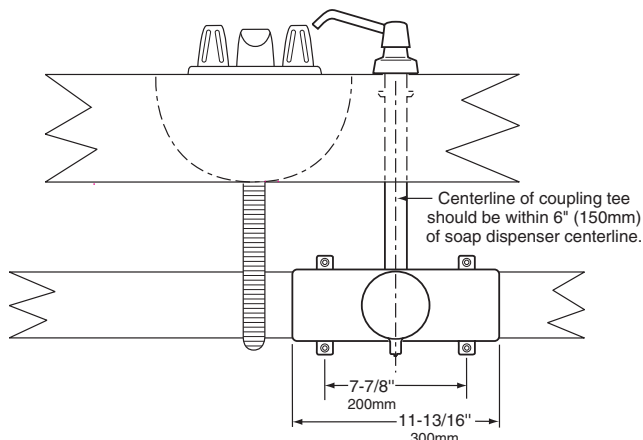
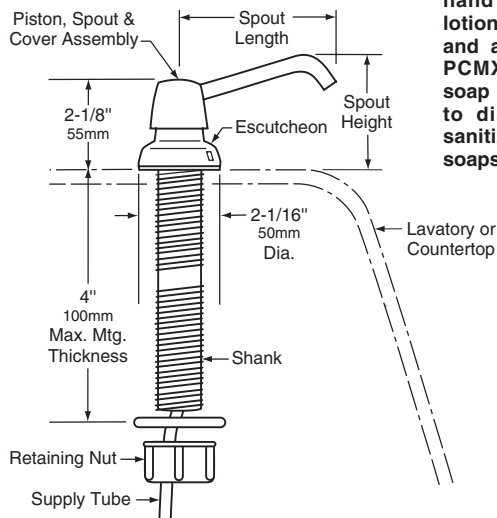
**Specify Model Required:**

Model Number	<input type="checkbox"/> B-922	<input type="checkbox"/> B-9226
Spout Length	4" (100mm)	6" (150mm)
Spout Height	3" (75mm)	3-7/8" (100mm)



End-Caps available from Bobrick
as optional accessory; order
Part No. 922-45 for 3" standard pipe size.

Designer's Note: Bobrick liquid soap dispensers are designed to dispense commercially marketed all purpose hand soaps including liquid and lotion soaps, synthetic detergents, and antibacterial soaps containing PCMX and or Triclosan. Bobrick soap dispensers are NOT designed to dispense alcohol-based hand sanitizers or iodine-based surgical soaps.



Allow horizontal clearance
along mounting surface below
countertop 5-1/2" high x 5-1/4"
deep (140 x 130mm) to accommodate
coupling tees and pipe connections.

The B-922 Series Under-The-Counter Reservoir contains a large volume of soap. Impact by washroom maintenance equipment, or acts of vandalism may cause soap to leak onto the floor creating a safety hazard.

To reduce the possibility of this hazard, the following steps are recommended.

- 1) Install B-922 Series Mounting/Coupling Tees as high as possible under lavatory or countertop.
- 2) Reduce the length of each Clear Elbow (Installation Step No. 6) to minimize B-922 Series projection from the wall.
- 3) Keep washroom maintenance away from Under-The-Counter Soap Reservoir.
- 4) Do not install the B-922 Series in washrooms subject to vandalism.

continued . . .

MATERIALS:

Piston, Spout, and Cover — Type-304 stainless steel with bright polished finish.

Cover Spacer — Rigid, impact-resistant polyester.

Escutcheon — Chrome-plated, high-impact-resistant ABS with bright polished finish. Concealed locking mechanism.

Body and Shank — High-impact-resistant ABS.

Valve — ABS cylinder. Stainless steel spring. U-packing seal and duckbills. Corrosion-resistant to most soaps and detergents. Equipped with a 36" (915mm) long supply tube; cut-to-fit in the field.

Coupling Tee — Black molded ABS. Fits standard 3" ABS or PVC pipe, schedule 40, with 3-1/2" (90mm) outside diameter (88–90mm nominal pipe sizes).

Clear Elbow — Smoke-grey, translucent ABS. 10" (255mm) long; cut-to-fit in the field. Drain hole in the bottom has a removable threaded plug with o-ring.

Black Flexible Hose — 1-3/8" (35mm) diameter, black, flexible PVC plastic hose. 33" (840mm) long; cut-to-fit in the field.

Designer's Notes: Mounting screws, pipe connections, and end-caps are not furnished. Provide 1/4" (6mm) screws, washers, and lock-washers. Purchase pipe connections and end-caps locally from plumbing supply wholesaler. Pipe connection must be standard 3" ABS or PVC pipe, schedule 40, with outside diameter (88–90mm nominal pipe sizes). Black ABS end-caps for 3" standard U.S./Canadian pipe with 3-1/2" outside diameter are available from Bobrick as an optional accessory; order Bobrick Part No. 922-45 (set of 2 end-caps).

OPERATION:

Multi-lavatory, large-capacity soap reservoir system is versatile and adaptable for mounting under a variety of countertop construction and plumbing layouts. Eliminates frequent refilling of single dispensers. Reduces maintenance time and cost. Easy to check the soap level and to top fill the multi-dispenser, countertop-wide system from any one soap dispenser. Press piston down to dispense commercially marketed all purpose hand soaps. Vandal-resistant spout can rotate 360° without damage to unit. Escutcheon locks to body with a concealed locking mechanism that is opened only with special key provided.

Designer's Notes:

1. Specify one unit for each lavatory. Each unit provides 0.9-gal. (3.3-L) soap capacity, plus capacity of pipe connections. Install one complete soap reservoir system under each counter.
2. Retrofit kits for Bobrick B-822 Series lavatory-mounted soap dispensers are available; order Bobrick Part No. 922-50, which includes coupling tee, clear elbow, black flexible hose, supply tube, and plastic tie.

INSTALLATION:

Soap dispenser is designed for installation in 1±1/16" (25±1.6mm) diameter hole in porcelain-enameled steel, stainless steel, cast-iron or vitreous-china lavatories, as well as in countertops adjacent to lavatories or in unused faucet holes. Shank accommodates maximum 4" (100mm) mounting thickness and can be cut-to-fit in the field.

Notes:

1. Variations in design and construction of installations, such as location of plumbing, will affect the exact location of different elements of the soap reservoir system. But the system is designed for great adaptability by allowing on-site measuring and cutting of the black flexible hoses, clear elbows, and pipe connections as required; for example, the black flexible hoses and supply tubes can compensate for any offset alignment.
2. Allow horizontal clearance along mounting surface below countertop 5-1/2" high x 5-1/4" deep (140 x 135mm) to accommodate coupling tees and pipe connections of the reservoir system. Clearance required for each clear elbow is 3-1/2" (90mm) diameter x 6-7/8" to 12-3/4" (175–325mm) deep.

CAUTION: *The following instructions are a general guide only. Detailed instructions for installation and maintenance are packed with each shipment and are also available in advance on request.*

For plaster or dry wall on studs, provide concealed backing and 1/4" (6mm) mounting screws to secure system to wall. Backing must comply with local building codes. **For brick, concrete or solid tile walls,** provide fiber plugs or expansion shields for use with 1/4" (6mm) mounting screws. Mount one coupling tee and clear elbow for each soap dispenser. The centerline of coupling tee should be within 6" (150mm) of soap dispenser centerline. Use one coupling tee as template to mark the mounting hole locations for screws. Provide ABS/PVC or other multipurpose primer and pipe cement to connect all coupling tees, pipe connections, and end-caps to create a continuous line of piping. Mount the piping *plumb and level* to insure consistent soap depth throughout reservoir system. Thread plugs and o-rings into drain holes on underside of clear elbows. Reduce the length of each clear elbow as required. Glue each clear elbow to appropriate coupling tee so small opening on top is pointing up toward soap dispenser. Place either end of black flexible hose onto small opening. Take remaining length of hose and hold it up to shank of appropriate soap dispenser to determine where to cut hose. It is suggested that the hose overlap the shank 2" (50mm) minimum. Glue bottom end of each hose to small opening of clear elbow. Slide the top end of black flexible hose up over the threaded shank of soap dispenser. *Do not seal top end of hose — it must be left unsealed to allow for venting of soap reservoir.* Cut at an angle each soap dispenser's supply tube so the end reaches bottom of clear elbow. Insert supply tube through black flexible hose, making sure angled end reaches bottom of clear elbow. After all pipe cement has set, run water through soap reservoir to test for leaks. Drain reservoir by removing pipe plugs from clear elbows.

SPECIFICATIONS:

Lavatory-mounted soap dispenser with under-the-counter soap reservoir shall dispense commercially marketed all purpose hand soaps including liquid and lotion soaps, synthetic detergents, and antibacterial soaps containing PCMX and or Triclosan. Bobrick soap dispensers are NOT designed to dispense alcohol-based hand sanitizers or iodine-based surgical soaps. Piston and spout assembly shall be type-304 stainless steel with bright polished finish. Escutcheon shall lock to body with a concealed locking mechanism opened with special key provided. Spout shall rotate 360° without damage to unit. Soap reservoir system shall be top filled by removing any one of the soap dispensers, and its soap capacity shall be viewed from any one of the translucent elbows in the system. Each coupling tee shall mount to wall with four mounting screws. Minimum capacity shall be 3 liters per soap dispenser. Manufacturer's service and parts manual shall be provided to the building owner/manager upon request.

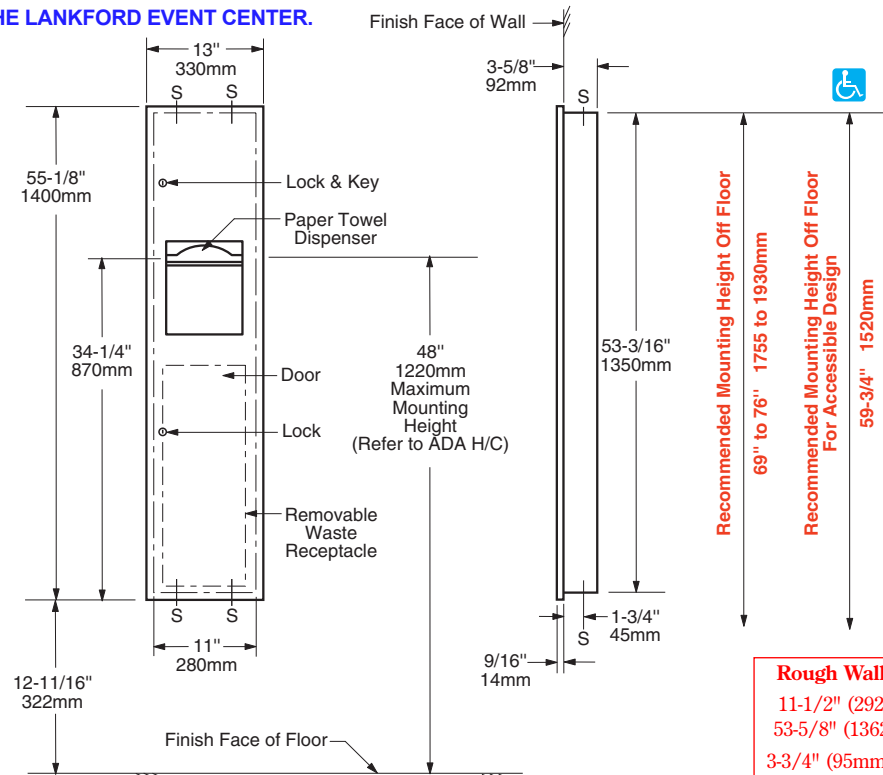
Lavatory-Mounted Soap Dispenser With Under-the-Counter Soap Reservoir shall be Model _____ (insert model number) of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

BOBRICK**Technical Data**

TrimLineSeries™ RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE

B-38034

FOR INTERIOR RESTROOMS AT THE LANKFORD EVENT CENTER.

**MATERIALS:**

Cabinet — 18-8, type-304, heavy-gauge stainless steel. All-welded construction.

Door — 18-8, type-304, 18-gauge (1.2mm) stainless steel with satin finish. 9/16" (14mm) 90° return for maximum rigidity. Secured to cabinet with a concealed, full-length, stainless steel piano-hinge. Equipped with a stainless steel cable door-swing limiter and two tumbler locks keyed like other Bobrick washroom accessories.

Paper Towel Dispenser — 18-8, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Rounded towel tray has hemmed opening to dispense paper towel without tearing. Capacity: 600 C-fold or 800 multifold paper towels.

Waste Container — Leak-proof rigid molded plastic. Removable for servicing. Capacity: 3.8-gal. (14.4-L).

Optional: Order Bobrick Model No. 3803-130 TowelMate® available as an optional accessory. TowelMate accessory allows for paper towels to dispense one at time without bulging or sagging, or falling through the towel tray opening. The 90 degree return on the towel guide prevents papers from falling forward and out when door is opened for servicing. TowelMate fits most other manufacturers' similar models.

OPERATION:

Paper towel dispenser is adjustable to dispense C-fold, multifold, or singlefold paper towels without use of additional adapters or towel trays. To service waste receptacle, unlock door with key provided and remove waste container. Cable door-swing limiter prevents damage to washroom accessories and walls.

INSTALLATION:

Provide framed rough wall opening 11-1/2" wide x 53-5/8" high (292 x 1362mm). Minimum recessed depth required from finish face of wall is 3-3/4" (95mm). Allow clearance for construction features that may protrude into rough wall opening from opposite wall. Coordinate with mechanical engineer to avoid pipes, vents, and conduits. If unit projects above top of wainscot, provide aluminum channel or other filler to eliminate gap between flange and finish face of wall. Mount cabinet with shims between framing and cabinet at all points indicated by an S, then secure unit with #8 x 1-1/4" (4.2 x 32mm) sheet-metal screws (not furnished).

SPECIFICATION:

Recessed paper towel dispenser and waste receptacle shall be type-304 stainless steel with all-welded construction; exposed surfaces shall be satin finish. Door shall be 18 gauge (1.2mm); have 9/16" (14mm) 90° return edges; be secured to cabinet with a concealed, full-length stainless steel piano-hinge; and equipped with a stainless steel cable door-swing limiter and two tumbler locks keyed like other Bobrick washroom accessories. Paper towel dispenser shall dispensing 600 C-fold, 800 multifold, or 1100 singlefold paper towels. Waste receptacle shall be furnished with a removable, leak-proof, rigid molded plastic waste-container with a capacity of 3.8-gal. (14.4-L).

Recessed Paper Towel Dispenser and Waste Receptacle shall be Model B-38034 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.